

UNC Bond Report
to the
Higher Education
Bond Oversight Committee
January 2003

UNC Bond Report to the Higher Education Bond Oversight Committee January 2003

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UNC Bond Program

EXECUTIVE SUMMARY

The bond program is continuing to progress with seventy-one percent of the projects in some stage of design, construction, or already completed. The peak of the activity for designer solicitations has passed and fifty-two percent of bond projects not already under construction or completed are in programming, formal design or design review.

Currently the program is experiencing an increase in the number and value of construction packages being advertised, bid, awarded and started. As of this report, ten of the three hundred and sixteen bond projects listed in the legislation are complete, up from one in April, two in July and eight in October of 2002. One hundred and three other projects have started construction, and one hundred ten have started design. Ninety-three now await the commencement of design, down from ninety-eight in October 2002.

With the current pace of activity, cash levels are continuing to be closely monitored. Total bonds sold in support of the bond program amount to \$443.5 million supporting contractual obligations to date of \$678.3 million as of December 4, 2002. Contract commitments through the end of March 2003 are projected to increase in value to nearly \$1 billion. September, October, and preliminary November expenditure rates, forecasted cash flows, and expected expenditure data all suggest that the next bond sale will be needed soon after the first of the year in order to maintain the momentum of the program and to take full advantage of the favorable bid and financial markets. Detailed attention to project schedules at each institution, and close surveillance of program trends by the Office of the President will continue in concert with the ongoing dedication to timely project completion within established budgets.

Projects that are to be delivered by the Construction Manager at Risk delivery system are proceeding on schedule. The full Guaranteed Maximum Price (GMP) has been established for the expansion of the College of Veterinary Medicine at North Carolina State University and trade package bidding is underway. Construction of several other projects has begun with the establishment of GMP packages for early site development.

Despite fall rains sufficient to offset a cumulative precipitation deficit stretching over several years, construction has continued on bond projects. While the rains certainly contributed to some declines in the pace of work, a number of projects have been completed and contracts awarded since the last reporting period.

Major project completions include UNC-Chapel Hill's Beard Hall Addition, a \$20.4 million project of which \$1.25 million was bond funding; and Bioinformatics Building, a \$26 million project with \$2 million in bond funding. At Winston-Salem State University, the Addition and Renovation to F.L. Atkins Building (\$4.4 million) is now complete.

The bidding climate has continued to be favorable. Recent bid openings include:

- College of Education Building at UNC Charlotte
- Fire Station at NC Central University
- Campus Infrastructure Improvements at UNC-Greensboro

UNC Bond Program

Fayetteville State University has begun construction on several projects including Spaulding Renovation (\$838,754), Student Residence Hall Fire Safety Improvements (\$482,670) and Campus Infrastructure Improvements (an initial phase, Realign Grace Black Circle at \$198,914), all opening within budget.

Major construction projects scheduled by the institutions to award between January and April, 2003 include:

- FSU: Residence Hall For 275 Beds
- NCA&T: Three classroom buildings, next phase
- NCCU: Science Complex
- NCSU: Support Services Center, Veterinary Medicine Infrastructure
- UNC-CH: Memorial Hall
- UNC Charlotte: Classroom and Office Building, Graduate Engineering Complex
- UNC-Greensboro: McIver Chiller Plant Expansion
- UNC – Pembroke: Oxendine and Science Buildings
- Winston-Salem State University: Physical and Life Sciences Building
- North Carolina Arboretum: Operations Support and Bus Parking.

Bond funded design and construction has continued to provide business opportunities for minority contractors. Current design and construction contracts reflect total minority participation at 12.9% of the dollar value of contracts awarded, consisting of 3.4% African-American, 5.5% WBE, and 4.0% Other. This represents a 1.1% rise in the overall HUB participation index on the Program, and a 9.5% improvement over the HUB participation index reported last quarter. This achievement sustains an overall level of HUB participation nearly 30% higher than the state goal, well over last quarter's margin of 12%. Participation levels of minority architectural and engineering service providers are considerably higher (14.6%).

The challenge to increase HUB participation rates will become increasingly difficult in the future. HUB participation has been traditionally highest in construction packages with values in the \$5 million and under range, suggesting that increased activity and innovation will be required to sustain and grow the program as the average value of construction packages continues to rise.

Efforts continue to ensure that the economic opportunities this work represents are shared with the minority contracting community. Bid packages within Construction Manager at Risk projects are created based on the identification of minority contractors and their capacities, with the bid packages tailored to fit capabilities. Additional innovative ideas under consideration include providing bonding alternatives and insurance programs controlled by the Construction Manager. Both of these approaches are focused on reducing or eliminating barriers to minority contractor participation.

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. Additional campuses have held HUB workshops, and several campuses have conducted more follow-up sessions this quarter. HUB development activities at UNC- Chapel Hill are the subject of one of the Management Practices cited in Section C of this Report.

To keep projects moving steadily, staff at the UNC Office of the President have been working closely with the state plan review agencies to ensure that plan reviews continue to be appropriately prioritized during the busy holiday season. Also, a series of UNC capital project orientation sessions are being conducted to help the campuses' capital project staffs maintain a good pace and to ensure that they consistently adhere to proper procedures. The first session was held December 2-3 at Fayetteville State University, with additional sessions held at UNC-Charlotte on December 16-17 and scheduled at the General Administration Building in Chapel Hill on January 21-22. The diverse locations have been specifically planned to minimize travel costs and to expand staff training opportunities.

UNC Bond Program

SECTION A

Cash Flow

Bond Oversight Committee Responsibility: Are the bond issuances adequately timed to reflect cash flow requirements of the projects?

Chart 1 depicts the actual expenditures for the entire Bond Program and compares these expenditures with previously and currently forecasted cashflows along with the availability of bond proceeds from June 2002 through March 2003.

The solid line with dark circle symbols indicates actual expenditures for contract payments made to date by the university system. The long-dashed line with dark square symbols indicates previously forecasted cash flows based on June 2002 schedule data, and the long-dashed line with light square symbols indicates the currently forecasted cash flow based on current project plans for design and construction expenditures. The solid horizontal line labeled \$443.5 shows the aggregate level of bond sales to date. The intersection of the currently forecasted (scheduled) cash flow line with the \$443.5 million funding level continues to suggest that bond sales must occur in February 2003.

Chart 1 was revised for the October 2002 report to more accurately reflect the difference in bond program level calculations of cash requirements over time compared to actual expenditures by the campuses for active contracts. The process of fine-tuning the individual project schedules and refining the cash flow model will be updated again for the April 2003 report in order to produce a methodology by which the program can predict cash needs with increasing accuracy. Over the last four months, cash flow predictions and actual expenditures have varied by a range of slightly less than \$2 million to \$21.3 million for a \$333.8 million level of expenditure. This reflects an accuracy of about 94% for forecasted cashflows matching actual expenditures. Chart 1 also reflects that actual expenditures are starting to lag behind forecasted expenditures. Unusually heavy fall rains followed by a severe ice storm in much of the state are likely the predominate reason, and those impacts will probably extend into December as well.

The bond program, approaching its third year of implementation, continues to transition from a program primarily in design to one increasingly in construction. Cash requirements for construction are far more difficult and expensive to control than those for design, suggesting that continued funding to meet current schedules is essential. Payments for design contracts may be negotiated based on milestone dates and design contracts can be suspended at any given milestone with minimal cost impact. Conversely, construction contract payments are made monthly based on actual progress achieved. They are far more difficult to forecast due to progress based on labor, material deliveries, weather and so forth, and the contracts are far more costly to suspend than design contracts. Based on the current schedules, the next bond sale still needs to occur prior to the end of February.

Based on cash requirements submitted by the constituents, the rate of actual expenditures, and the schedule for new commitments, the program will exhaust available funds for meeting its

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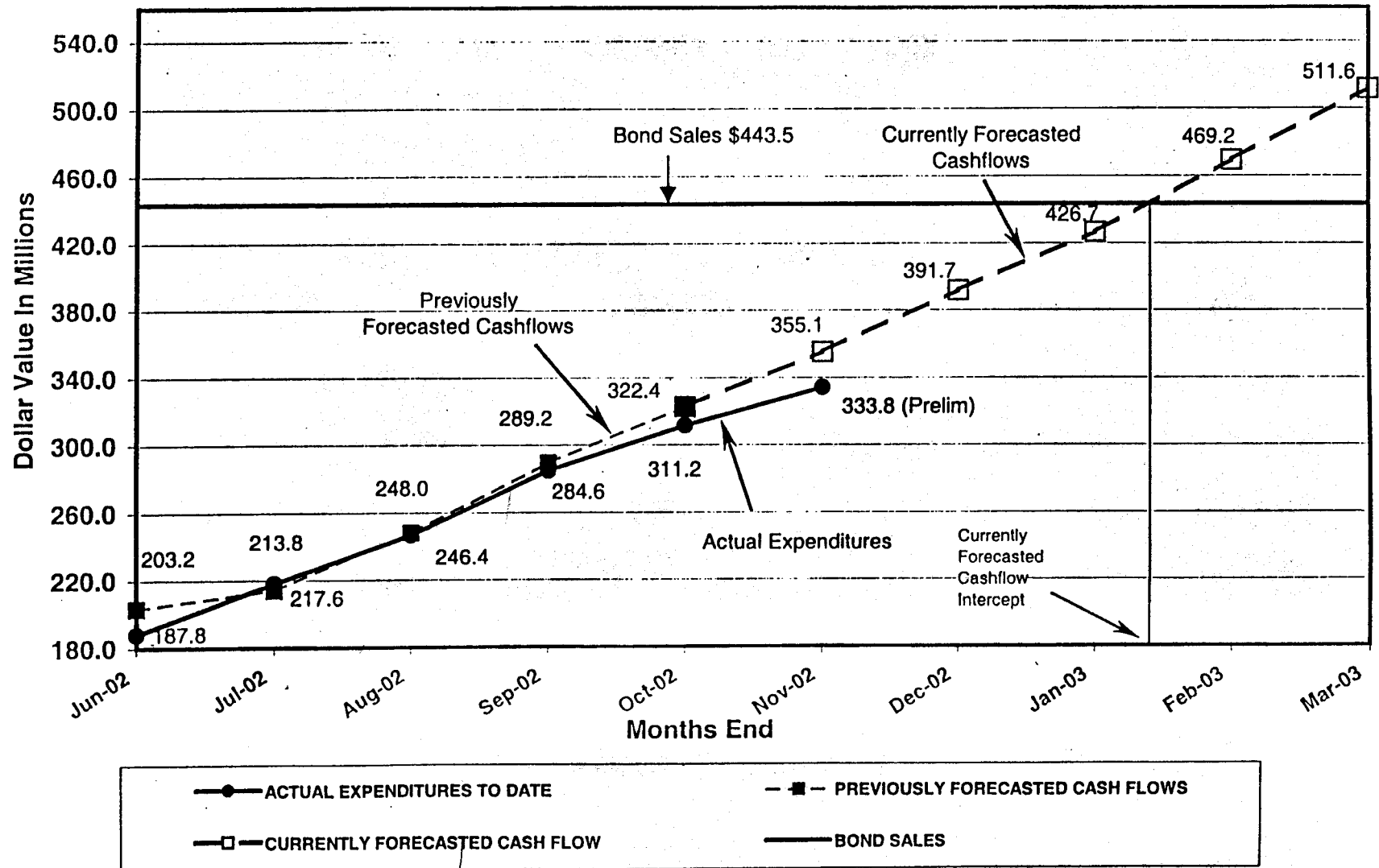
UNC Bond Program

contractual obligations prior to the end of February 2003. A March sale would provide funds for use no earlier than late March through mid April. Given the cash flow projections, the remaining allotments, and the challenges associated with scheduling and planning (with uncertainty regarding the timing of cash availability) a January or early February bond sale is desirable to ensure that the University meets its commitments without interruption.

Chart 3, following, shows that the University has currently allotted \$440.51 million to support expenditures to the end of the 2002 calendar year. As a practical issue, given the small (\$2.99 million) reserve, current allotments will remain largely fixed until the next bond sale.

September, October, and preliminary November and December actual expenditures suggest that the next bond sale must occur shortly after the first of the new calendar year, which is consistent with the projection in Chart 1. The Office of the President's staff has engaged the Treasurer's Office in discussions regarding cash needs, and is providing information to the Treasurer to assist in the decision regarding when to issue the next bond sale.

UNC Bond Program
Cash Flow and Bond Sale
Chart 1



UNC Bond Program

Expenditures, Allotments and Commitments by Institution

Chart 2 presents the expenditures as of October 31, 2002 compared to the allotments as of December 11, 2002 for each institution. The chart demonstrates the actual progress of each campus compared to projections based on cash expenditures. As expenditures increase, the light colored, left-most bar rises. The second, or grey colored bar shows the allotment level, which is available to fund current project expenditures for each university and affiliate. The right-most bar in each set presents the total of commitments from inception of the program projected through March 31, 2003. A total of \$2.99 million has been held in reserve by UNC-OP for use at campuses that may approach their individual allotments. This reserve is down from \$20.8M last quarter.

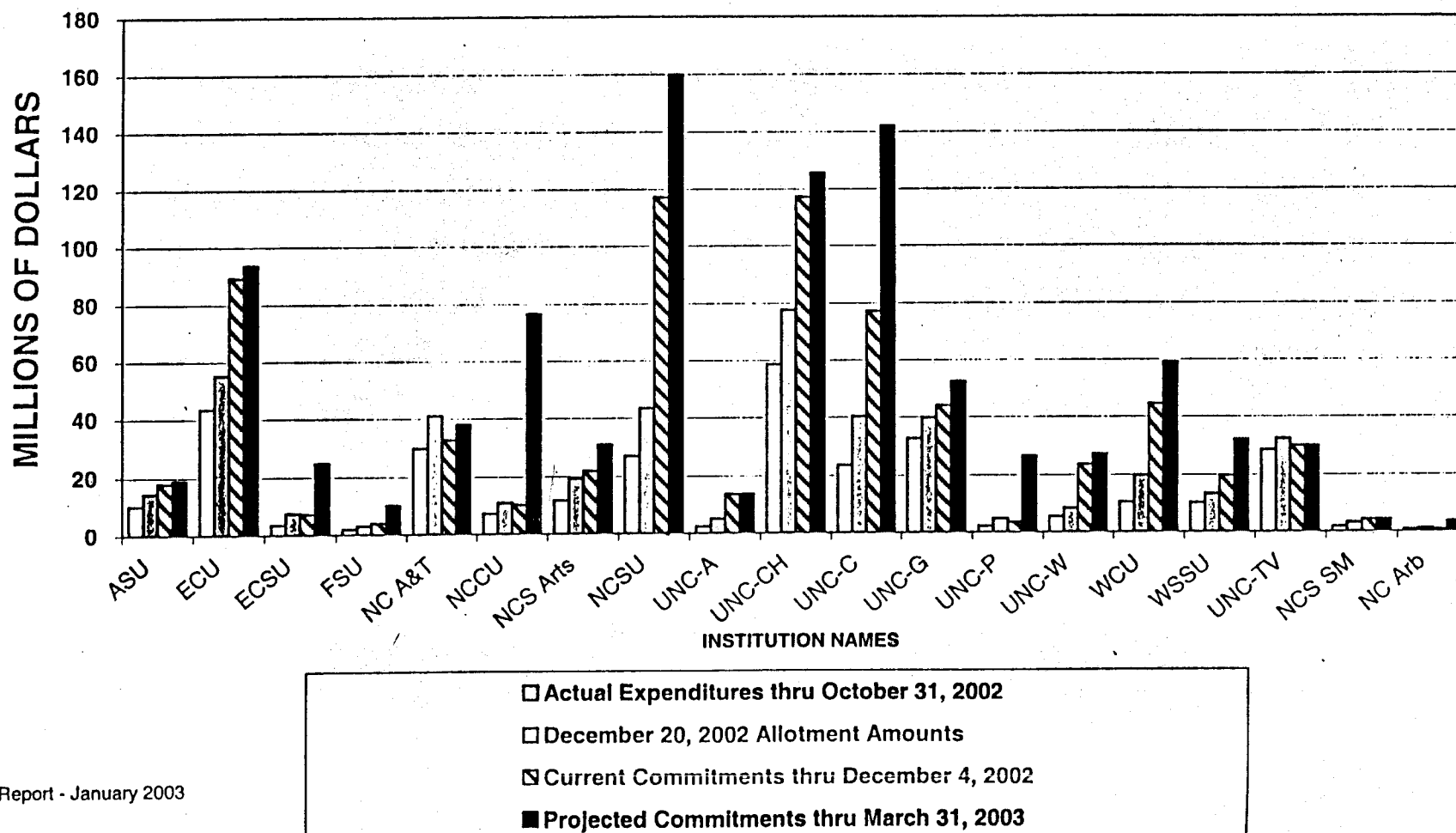
Allotments are tightly controlled to best serve actual and planned contract commitments.

Funds and Commitments at the Program Level

Chart 3 presents the current status of funding, expenditures and commitments on a program-wide basis. As of November 30, 2002, a total of \$333.8 million had been spent within the sum of individual campus allotments, which total \$440.51 million. November 2002 expenditures are preliminary. The \$2.99 million of reserve is shown as the lined bar to the right of the Funds Status portion of the Chart.

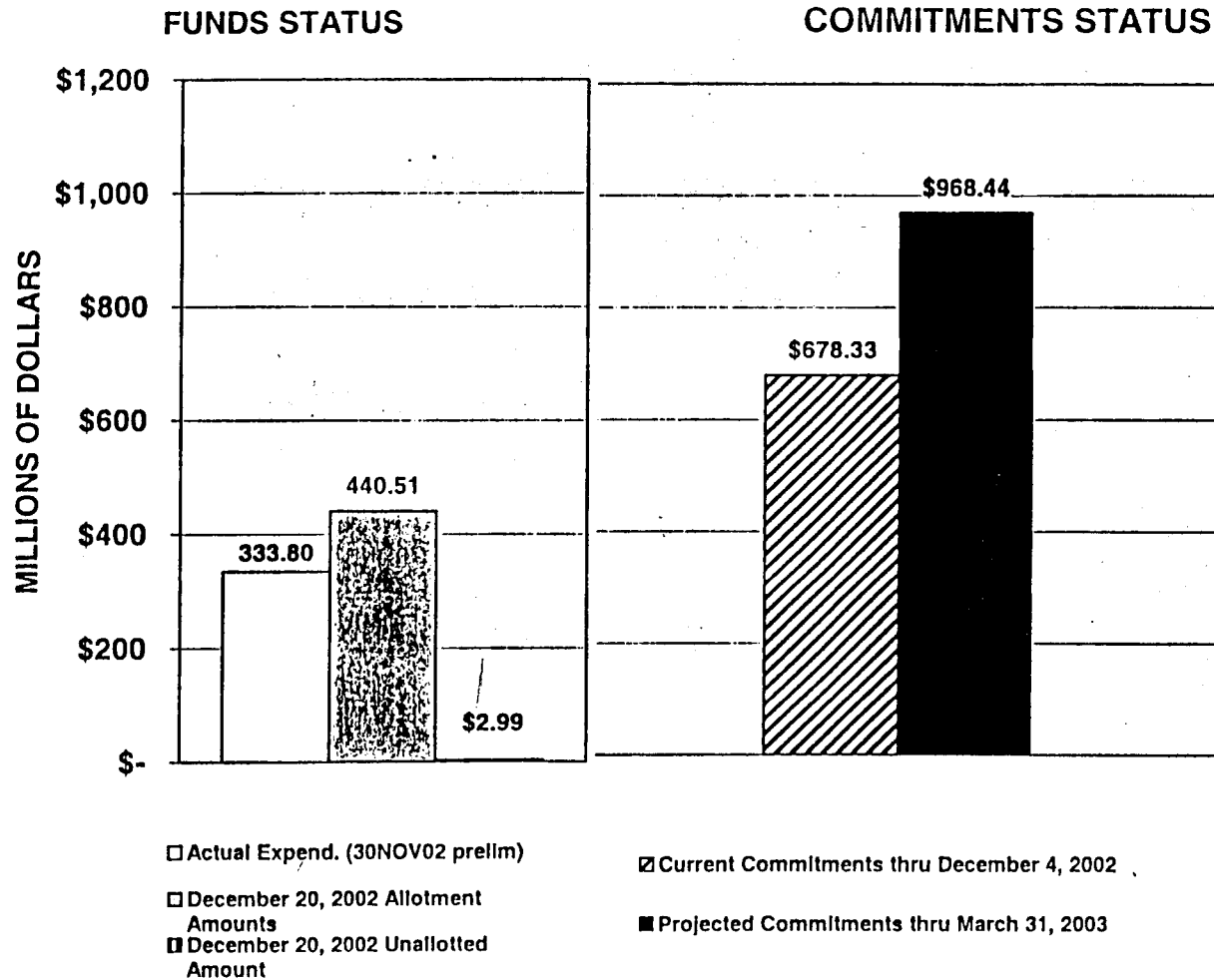
Chart 3 also shows a total contract commitment level of \$678.3 million as of December 4, 2002. Contract commitments are now projected to increase by \$290.1 million, or 43% to nearly one billion dollars by March 31, 2003. This amount is \$137.3 million less than last quarter's report, due to rescheduling of design and construction contract commitments previously scheduled between now and March 31, 2003.

UNC Bond Program
Chart 2 - Expenditures, Allotments and Commitments



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Master Schedule

Is the bond program on schedule?

The schedule depicted in Chart 4 presents the overall schedule for all design and construction activities at each of the campuses, and for the entire program.

For the individual institutions, the bottom gray bar indicates the baseline schedule for design and construction, commencing with the first advertisement for design services for the first bond project, and concluding with beneficial occupancy or use following construction of the last bond project at a campus. All activity definitions are uniform across all institutions, and the University does not anticipate further adjustment of these baseline schedules.

The patterned bar above the baseline represents the current schedule for all design and construction activities. The vertical dotted line represents the status date of December 1, 2002.

If the current schedule for completion of the last construction project extends out later than the baseline schedule for a campus, the patterned bar will extend out past the end of the baseline bar. Conversely, if the campus can bring the last construction project in ahead of the baseline schedule, then the patterned bar will end to the left of the baseline plan bar, forecasting early completion on that campus.

The three columns on Chart 4 entitled "Baseline Completion Date," "Updated Completion Date," and "Variance" present the original and current dates for completion of Bond Program construction on a campus, and any changes forecasted expressed in calendar days. A positive count of calendar days indicates a savings in schedule ahead of the baseline; and a negative count indicates a lengthened schedule for final completion at the campus.

All campus activities roll up to the dark "UNC Bond Program" bar at the top of the schedule diagram, which shows the summary-level baseline and updated finish dates for the entire program.

As of the December 1, 2002 schedule updates, North Carolina School of Science and Mathematics will finish its bond work first, in January 2004; and North Carolina State University will finish its bond-funded work in October 2009.

Nine campuses are forecasting completion either on or prior to their original schedule.

Location	Baseline Cmpl Date	Updated Cmpl Date	Variance	1998	1999	2000	2001	2002	2003	2004	2005	2006		2008	2009	20
				H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1
UNC BOND PROGRAM	Thu 7/30/09	Thu 10/22/09	-84													
ASU	Thu 7/26/07	Fri 6/22/07	34													
ECU	Tue 4/24/07	Thu 2/22/07	61													
ECSU	Mon 3/19/07	Fri 10/13/06	157													
FSU	Thu 2/12/09	Tue 6/3/08	254													
NC A&T	Thu 12/25/08	Tue 10/2/07	450													
NCCU	Tue 7/8/08	Tue 7/22/08	-14													
NC S. Arts	Mon 2/28/05	Tue 8/30/05	-183													
NCSU	Thu 7/30/09	Thu 10/22/09	-84													
UNC-A	Thu 8/17/06	Wed 6/20/07	-307													
UNC-CH	Fri 5/22/09	Fri 5/22/09	0													
UNC-C	Mon 5/29/06	Mon 5/29/06	0													
UNC-G	Mon 10/13/08	Mon 10/13/08	0													
UNC-P	Mon 4/30/07	Tue 10/17/06	195													
UNC-W	Thu 6/19/08	Thu 6/19/08	0													
WCU	Tue 2/6/07	Tue 5/1/07	-84													
WSSU	Tue 7/25/06	Mon 11/20/06	-118													
UNC-TV	Mon 11/17/03	Wed 2/23/05	-464													
NC Sci.Math	Mon 12/16/02	Thu 1/15/04	-395													
NC Arb.	Thu 3/9/06	Mon 9/18/06	-193													

UNC Bond Program Chart 4
Master Schedule December 2002
Date: December 4, 2002

Updated Task Schedule 

Baseline Schedule 

UNC Updated Summary 

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SECTION B: EXPENDITURE COMPLIANCE; HUB PARTICIPATION

Expenditure Compliance with the Bill

Bond Oversight Committee Responsibility: Are the expenditures of the proceeds from the bonds issued under the bond bill in compliance with the provisions of the bond bill?

Currently, four projects have been identified by the institutions and the Office of the President for potential changes in scope, as allowed under the Bond Bill. They are:

- 1) UNC Asheville: Carmichael Hall Classroom Building,
- 2) UNC Pembroke: Residence/Dining Hall – Replacement of Jacobs and Wellons Halls,
- 3) Winston-Salem State University: Anderson Center – Comprehensive Renovation, and
- 4) Winston-Salem State University: Health Center Building and Old Nursing Building – Comprehensive Renovation for Student Health

These modifications will be proposed for approval in the 2003 sessions of the NC General Assembly.

To date, three proposals for scope changes were presented for consideration and have been approved by the legislature. They are:

- 1) University of North Carolina at Chapel Hill: 440 West Franklin
- 2) North Carolina State University: alterations as presented to the Committee in May, 2002 for the Meat Processing Center, and
- 3) North Carolina School of the Arts: revision of the original scope of the Residential Facility project to provide student bed space and a residential area which would provide practice space, study areas, infirmary, and other common areas for high school students as opposed to university students.

Our reviews find that bond dollars are being spent for their intended purpose. Funds are being expended for design, construction, and project management as specified in the bill. All projects are being reviewed by the state reviewing authorities as required by statute.

HUB Participation

Design and construction work on the Program have continued to provide business opportunities for minority designers and contractors. Chart 5 indicates that both the design and construction contracts awarded under the program continue to exceed the state's goal of 10% total HUB (Historically Underutilized Businesses) utilization for design and construction services.

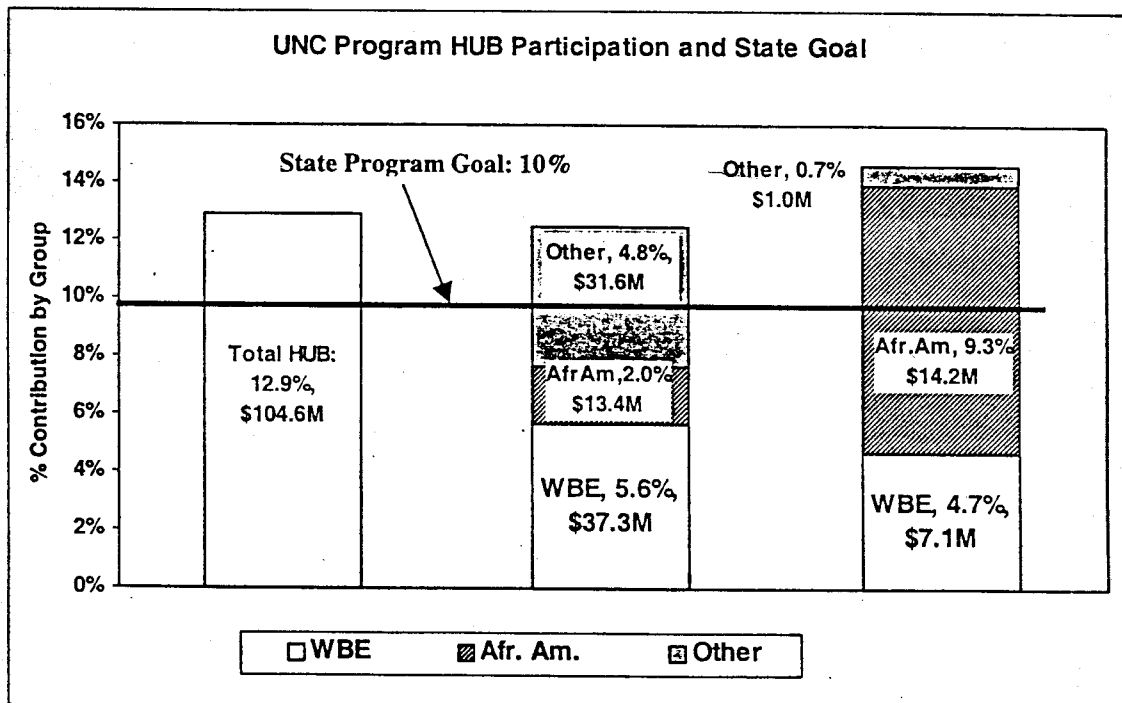
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To date, nearly 12.9% (or \$104 million) of the over \$813 million of design and construction packages monitored for Bond Program HUB performance has been awarded to African-American, Women or Other Minority-owned companies. This represents a rise in overall HUB participation on the Program of 1.1%, and a 9.5% improvement over the HUB participation indices reported last quarter.

Construction contracts to date reflect total minority participation at 12.4% of the dollar value of contracts awarded, consisting of 2.0% African-American, 5.6% Women, and 4.8% for Other Minority participation levels. These percentages reflect a 13.3% increase in overall participation rates as compared to levels reported in October, and represent an increase in dollar value from approximately \$63.9 million in October to over \$82.4 million today. This increase sustains an overall level of HUB participation nearly 25% higher than the state goal.

Current design contracts reflect a total minority participation level of 14.6% of the dollar value of contracts awarded, consisting of 9.3% African-American, 4.7% Women, and 0.7% for Other Minority participation levels. Although this performance remains static from last quarter, it is still nearly 50% higher than the state goal. The design professional selection process continues to provide opportunities to further increase minority participation levels, particularly for African-American designers.

Outreach and follow-up continue, and additional increases are sought at all levels.



Other: Native American, Asian American and Hispanic
Total design and construction awards: \$813.2 million (Bond and non-Bond)

Chart 5 – HUB Participation

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SECTION C: BOND PROGRAM MANAGEMENT PRACTICES

Bond Oversight Responsibility: Are there changes in Bond Program management practices that could enhance cost savings and promotion of on-time completion of projects; or contribute to other requirements and goals of the Program?

The University of North Carolina at Chapel Hill HUB Resource Center

In June 2002, the University of North Carolina Historically Underutilized Business (HUB) Resource Center was officially opened. Located in the Giles F. Horney Building on campus, the Resource Center provides direction and support to the University's plan to increase utilization of minority and women-owned businesses in the design and construction of campus capital improvements projects.

As part of the Facilities Planning and Construction Division, the HUB Resource Center provides a wealth of services and informational programs important to all members of the businesses community who are interested in or are already involved in campus projects. Resource Center personnel also review, revise, and provide input as to the effectiveness of other existing community-based HUB programs and selection and contracting processes that impact opportunities for the participation of minority and women-owned businesses at UNC-Chapel Hill.

The Resource Center sponsors seminars, workshops, and trade fairs that offer opportunities to recruit and educate minority/HUB firms in the various aspects of becoming and remaining certified as a HUB, and doing business with the University. Discussion forums and panel presentations covering a variety of topics are regularly conducted in order to facilitate interaction between minority and non-minority firms and improve the competitive positions of all participants.

Firms are encouraged to use the Resource Center Plan Room and Conference area. There, complete plans and specifications for each project are available for review Monday through Friday. Located just off of Airport Road, the central location and proximity to main campus provide an ideal place to conduct meetings. The Center also provides access to business support services provided by others, e.g., estimating, scheduling, business plan development, state certification, etc, based on each client's individual needs. The extensive database, shared with other campuses and the State of North Carolina Office of State Construction, contains contact information for hundreds of industry support organizations, governmental agencies, regulatory authorities, and trade groups. Use of a computer and access to the World Wide Web is available to users free of charge.

The process by which companies are identified and recruited for successful participation varies. In addition to the promotional activities previously mentioned, information on HUB firms is compiled from municipal listings, state listings, trade associations, past procurement, and personal recommendations for designers and builders interested in work at UNC-Chapel Hill. HUB firms in the UNC-Chapel Hill database receive mailings

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and e-mail notifications on upcoming events and project opportunities. In addition, companies are encouraged to provide information about other area businesses and newly formed organizations. This regular dialogue assists in maintaining current, accurate contact information and assures a dynamic and comprehensive list of qualified, interested firms capable of helping UNC-Chapel Hill and UNC exceed the goals listed in state statute.

Details on the services or commodities each firm provides is maintained and used to match companies with specific projects needs. Targeted firms are encouraged to review the plans and specifications, attend the pre-bid conferences, and to seek assistance in gathering other information necessary to competitively bid and perform work on schedule and within budget. This targeted recruitment strategy eliminates useless solicitations of non-relevant trades and firms, grows the list of responsive, certified minority firms, and helps to ensure that architects and construction managers receive accurate, informed bid quotations.

Statistical information on HUB participation is compiled and maintained on each project. The HUB Office follows the progress of each company throughout the duration of their contract and monitors all contract payments. Records maintained by the HUB Resource Center are available for review and are used to generate required reports and to develop new, more effective outreach programs.

Currently, the level of HUB participation on Bond funded design and construction work on the Carolina campus is 12.4% of the total. To date, Carolina has contributed 28.5% (\$23.42M) of all HUB awards to the bond program, while awarding 17.7% (\$117.1M) of all bond funded contractual commitments by the University. The HUB Resource Center has had a meaningful and measurable impact on HUB participation for both the University and the State of North Carolina.

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UNC Charlotte's Use of Professional Scheduling Services

With the approval of the 2000 Higher Education Bond Package, UNC Charlotte was challenged to manage the design and construction of fifteen major projects having a total value of \$190,033,501. Four new, major academic buildings were included in UNC Charlotte's Program with a value of \$107,986,692. When the Bond Program was initiated, UNC Charlotte's Capital Management section employed three project managers who were tasked with overseeing their current workload plus the new Bond Projects. In order to meet the baseline schedule, the four new academic buildings would have to be designed in an unusually short time frame. All four of the buildings were to be constructed on undeveloped sites. It was apparent that the management team required help in order to successfully coordinate the Bond projects, particularly the four major academic buildings.

In an innovative approach, the University established a project entitled *Campus Infrastructure Development (CID)*. This project was to prepare the sites and provide utility services and roadway access for the four new academic buildings. Bundling the infrastructure work in this way saved the University money and solved numerous coordination issues. Funding of approximately \$14 million was provided for CID primarily by assessments to the four academic building projects. CID was formulated with four sub-projects that required design expertise in architecture, civil, electrical, and mechanical engineering. The firm, United Engineering Group was contracted to design and coordinate the CID project with the four building projects.

Close coordination of the building project schedules and the Campus Infrastructure Development schedule was imperative. Delays in the Bond Program baseline schedule were not acceptable. To meet this challenge, the University decided to commission the services of a professional scheduling consultant who would work under the United Engineering Group contract. The local firm of PicTec had provided similar services for the Atlanta Olympics Committee and was selected by United and the University for the scheduling responsibilities. United's contract was amended to include the fee for this service.

PicTec organized a team consisting of University representatives and designers for the four buildings, as well as the CID project. With input from all the project architects and engineers, PicTec developed a coordination schedule whereby design and construction schedules were synchronized. Within each project schedule, engineering and architectural tasks were defined and sequenced to ensure the buildings would be built on schedule and all supporting infrastructure would be available when needed. After the coordination schedule was established, PicTec met monthly with each project team to review and adjust the project schedules. At these meetings, the architects, engineers and other consultants for each project provided input for adjustments to their scheduled responsibilities. PicTec then posted the updated coordination schedule on a web site for

UNC Bond Program

access by all involved. This unique approach insured that the University maintained oversight on the design schedule for each project and the interdependencies among the projects. The work of a professional scheduler who has knowledge of both the design and the construction process proved to be very successful. To date, UNC Charlotte has been able to keep the design process for these very important projects on schedule.

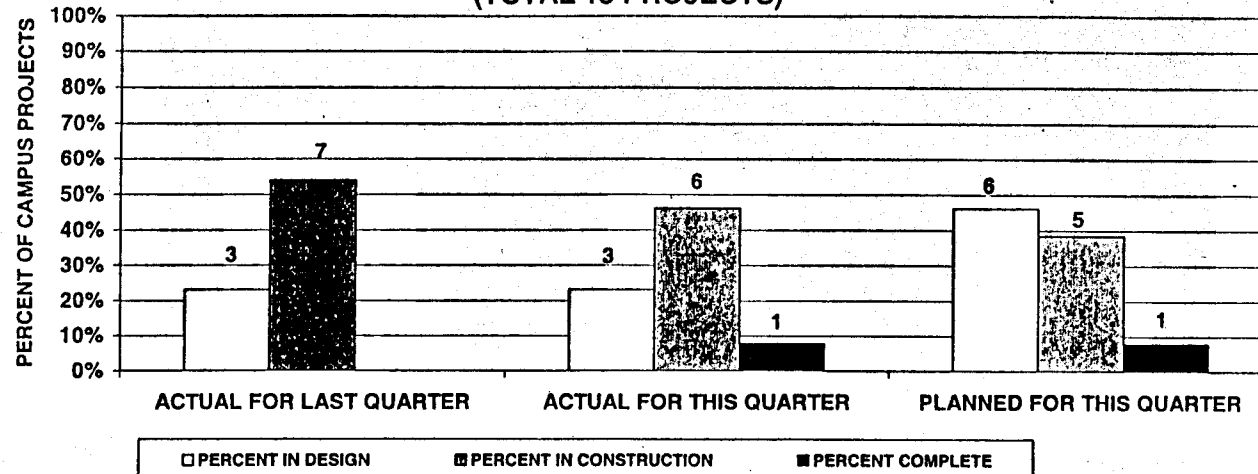
SECTION D: BUDGET AND SCOPE

Bond Oversight Committee Responsibility: Are the awarded contracts consistent with the budget and scope of the approved projects?

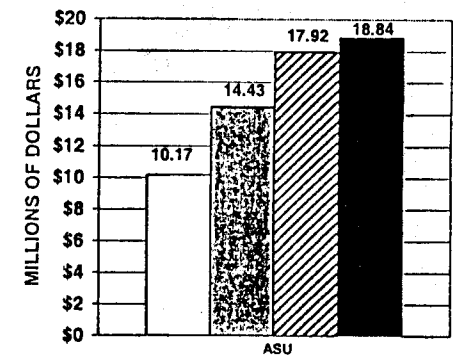
Three projects have received legislative approval of proposed scope changes. With the possible exception of the four projects under review noted in Section B, all awarded contracts are consistent with the budget and scope of the approved projects.

Following are summaries of activities for each campus (Institutional Summaries). Single-page project summaries for projects currently under construction or completed are also included, providing additional detail for projects specifically detailed as such on the Institutional Summaries. As requested in the last Committee meeting, single-page project summaries for CM-at Risk projects are also included. These projects are not necessarily in construction or completed, and therefore may be shown in design on the Institutional Summaries.

**NUMBER OF PROJECTS BY PROGRAM PHASE
(TOTAL 13 PROJECTS)**



FUNDS STATUS (TOTAL BONDS \$87,406,200)



□ ACTUAL EXPENDITURES THRU 31OCT02
 □ ALLOTMENT AMOUNTS AS OF 20DEC02
 ▨ CURRENT COMMITMENTS THRU 04DEC02
 ■ PROJECTED COMMITMENTS THRU 31MAR03

PROJECTS BID TO DATE

PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST. - BID)	HUB PARTICIPATION			
							AFR. AM.	WBE%	OTHER%	TOTAL
B.B. Dougherty Hall - Comprehensive Renovation	\$1,332,100		\$1,332,100	\$1,035,500	\$1,057,000	-\$21,500	0.0%	0.0%	0.0%	0.0%
Central Library Complex - Swing Space Modification - Library Complex - Design Contingency Equip. etc.	\$47,586,800		\$47,586,800		CM at Risk					
Living & Learning - Academic Portion	\$4,022,800		\$4,022,800	\$3,821,660	\$3,762,000	\$59,660	0.0%	1.6%	0.0%	1.6%
Rankin Science Building - Comprehensive Renovation - Rankin Science Renovation - Rankin Science Addition Annex - Design Contingency Equip. etc.	\$16,213,500	\$1,220,000	\$17,433,500	\$5,476,500	\$5,660,689	-\$184,189	0.0%	4.1%	4.9%	9.0%
Science Building - Completion of Laboratories and Academic Space	\$1,260,000		\$1,260,000	\$385,000	\$395,000	-\$10,000	0.0%	0.8%	0.0%	0.8%
Technology Infrastructure Expansion - Phase I - Phase II - Phase III	\$4,838,900		\$4,838,900	N/A	\$468,748 \$24,000 \$352,627	N/A	0.0% 0.0% 0.0%	0.0% 0.0% 0.0%	0.0% 0.0% 0.0%	0.0% 0.0% 0.0%

Appalachian State University

Instructional Summary

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST. - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Phase IV			\$290,200	N/A						
Phase V			\$265,000							
Phase VI			\$150,000							
Phase VII			\$750,000							
Phase VIII			\$2,146,068							
Design Contingency Equip. etc.			\$251,945							
			\$4,838,900							
Virtual Arts Center/Education Outreach	\$4,374,700	\$2,000,000	\$6,374,700	\$2,000,000	\$1,926,306	\$73,694	0.0%	5.5%	7.0%	12.5%
Phase I Renovation			\$2,000,000							
Phase II Addition			\$3,390,812							
Design Contingency Equip. etc.			\$983,888							
			\$6,374,700							
TOTAL VARIANCES						-\$60,835				
TOTAL HUB DATA FOR INSTITUTION							0.0%	3.0%	3.1%	6.1%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding may be reduced.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or Completion later than date needed; design/construction 10%+ or behind)

Founders Hall delay resulted from redesign required because of code changes since the initial design was prepared prior to bond funding. Previously reported, status unchanged.

Land Acquisition delay is the result of Imminent domain proceedings necessary to complete a key land purchase. Previously reported, status unchanged.

Technology Infrastructure Expansion project delayed based on overall project priorities within the bond program. Previously reported, status unchanged.

Rankin Science Building delayed because of programming and identifying swing space. This delayed construction start until summer 2003.

Living & Learning Center delayed by general contractor errors in delivering incorrect materials critical to the schedule.

Walker Hall is ahead of schedule because swing space proved unnecessary and design time has been shorter than reflected in baseline.

Water Systems Improvements project delay is the result of the time being taken in a current evaluation of new water treatment technology. Beta test of pilot system is underway and nearing completion. Membrane system being tested would result in higher water quality with less chemically invasive treatment required. Previously reported, status unchanged.

BUDGET EXCEPTIONS: None

Appalachian State University

B.B. Dougherty Hall – Comprehensive Renovation

Bond Funds \$1,332,100

Other Sources \$431,153

Total Project Budget \$1,763,253

Scope: Major structural, environmental, code, and access improvements must be made to this building for its continued use to support current student enrollment levels and projected enrollment growth. The building clearly evidences structural and functional obsolescence.

Designer: Calloway, Johnson, Moore and West, Asheville, NC

Construction Type/Contractor(s): Single-prime

General Contractor: James R. Vannoy & Sons Construction Co., Inc., Jefferson NC

Status and Next Major Milestone: Eleven-month construction project commenced in September, 2002. Construction activity currently statused at 5% complete with 22% of the construction schedule consumed.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	Fri 3/16/01	Tue 9/17/02										
# Construction	Wed 9/18/02	Wed 7/30/03										
# Finish	Wed 7/30/03	Wed 7/30/03				★ 7/30						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$1,193,300	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Solid black line indicates progress. Star indicates project finish milestone

UNC Bond Program

Appalachian State University

Central Library Complex

Bond Funds \$47,586,800

Other Sources \$0

Total Project Budget \$47,586,800

Scope: Built for a student body half the size of ASU's today, Belk Library lacks sufficient space for student study and materials collections, and provides too little student access to information technology. The new structure will allow ASU to better serve students, accommodate enrollment growth, store and display materials collections, and enable students to access a broader range of materials through information technology. In the future, the present library building will be renovated to house the College of Education and several academic departments.

Designer: J.N. Pease Associates, Charlotte, NC

Construction Type/Contractor(s): CM at Risk

Construction Manager: Bovis Lend Lease, Charlotte, NC

Status and Next Major Milestone: CM at Risk project with construction phase status. Design activity now statused at 74% complete on principal project with 80% of the design schedule consumed. Next milestone: state agency reviews to commence on January 20, 2003. Construction scheduled to commence in June 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008
3 Design	Fri 11/10/00	Wed 6/11/03									
4 Construction	Thu 6/12/03	Fri 6/22/07									
5 Finish	Fri 6/22/07	Fri 6/22/07									

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$0	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Solid black line indicates progress. Star indicates project finish milestone

UNC Bond Program

Appalachian State University

Living and Learning Center – Academic Portion

Bond Funds \$4,022,800

Other Sources \$0

Total Project Budget \$4,022,800

Scope: This academic building will complete a residential college living and learning facility for students enrolled in the growing, highly successful Watauga College and Honors programs. The residence hall is now under construction.

Designer: Little & Associates Architects, Charlotte, NC

Construction Type/Contractor(s): Multi-prime

General Contractor: James R. Vannoy, Jefferson, NC

Mechanical: Price and Price Mechanical of North Carolina, Arden NC

Plumbing: Strigo Plumbing, Burlington, NC

Status and Next Major Milestone: Thirteen-month construction project commenced in May 2002, Now 55% complete.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	Fri 12/1/00	Wed 5/1/02										
Construction	Thu 5/2/02	Thu 5/29/03										
Finish	Thu 5/29/03	Thu 5/29/03										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$51,525	\$0	\$51,525	\$3,220,278	0.0%	1.6%	0.0%	1.6%

Schedule Legend: Vertical dotted line indicates current date. Solid black line indicates progress. Star indicates project finish milestone

UNC Bond Program

Appalachian State University

Rankin Science Building – Comprehensive Addition and Renovation

Bond Funds	\$16,213,500
Other Appropriations	\$1,220,000
98 Appropriations	\$1,220,000

Other Sources	\$0
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Total Project Budget	\$17,433,500
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Scope: Damage from repeated flooding, deterioration, and functional obsolescence make replacing a portion of Rankin Science Building located in the flood plain cheaper than renovation. The remaining, larger portion of the structure requires complete modernization, including environmental, code and access improvements, to support rapidly expanding programs in Biology, Geology, and Geography and Planning.

Two Phases:	Addition and Renovation
Designer:	FWA Group, Charlotte, NC

Construction Addition: Multi - prime	
General Contractor:	Wilkie Construction, Inc., Hickory, NC
Plumbing:	Holcomb Brothers Inc., Elkin, NC
HVAC:	Price & Price Mechanical of North Carolina, Arden, NC
Electrical:	Port City Electric Co., Morrisville, NC

Construction Renovation: CM at Risk	
Construction Manager:	White Construction/Vannoy & Sons, Raleigh, NC

Status and Next Major Milestone: CM at Risk project with construction phase status. CD package on principal project now 85% complete. Next milestone: state agencies commence and conclude CD reviews by January 28, 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	Wed 3/1/00	Thu 6/12/03										
# Construction	Mon 11/26/01	Wed 12/7/05										
# Finish	Wed 12/7/05	Wed 12/7/05										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$229,799	\$280,000	\$509,799	\$5,670,734	0.0%	4.1%	4.9%	9.0%

Schedule Legend: Vertical dotted line indicates current date. Solid black line indicates progress. Star indicates project finish milestone.

UNC Bond Program

Appalachian State University

Science Building - Completion of Interior Laboratories and Academic Space

Bond Funds \$1,260,000
Other Appropriations \$0

COMPLETED

Other Sources \$0

Total Project Budget \$1,260,000

Scope: This project completed approximately 8,000 square feet of unfinished laboratory space in the Science Building, and included funding from the 1993 bond issue. The laboratories will support the Chemistry, Physics and Astronomy, and Computer Science programs.

Designer: FWA Group, Charlotte, NC

Construction Type/Contractor(s): Single-prime
General Contractor: T.A. Loving Co. Asheville, NC

Status: Construction completed on December 3, 2002, within budget and 45 days behind the baseline schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
7 Design	Wed 11/15/00	Mon 7/1/02										
8 Construction	Tue 7/2/02	Tue 12/3/02										
9 Finish	Tue 12/3/02	Tue 12/3/02										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$2,978	\$0	\$2,978	\$395,000	0.0%	0.8%	0.0%	0.8%

Schedule Legend: Vertical dotted line indicates current date. Solid black line indicates progress. Star indicates project finish milestone.

UNC Bond Program

Appalachian State University

Technology Infrastructure Expansion

Bond Funds **\$4,838,900**

Other Sources **\$0**

Total Project Budget **\$4,838,900**

Scope: This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

Designer: In-house

Status and Next Major Milestone: Phases I – III complete. Construction has commenced on Phases IV and VI. Project to complete all phases in June 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	Wed 9/5/01	Tue 5/23/06										
# Construction	Tue 1/8/02	Wed 1/31/07										
# Finish	Wed 1/31/07	Wed 1/31/07								★ 1/31		

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$845,375	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Solid black line indicates progress. Star indicates project finish milestone.

UNC Bond Program

Appalachian State University

Visual Arts Center/Education Outreach Center - Renovation

Bond Funds \$4,374,700
Other Appropriations \$0

Other Sources \$2,000,000
Self-Liquidating \$2,000,000

Total Project Budget \$6,374,700

Scope: The Boone United Methodist Church acquired by the University in 2000 will be renovated for use as a visual arts academic center and community educational outreach center. The estimated cost includes extensive environmental, code, and access improvements.

Designer: Price Newman Payne, Greensboro, NC; Freelon Group, Durham NC

Construction Type/Contractor(s): Multi-prime

General Contractor: Watauga Ready Mix (Greene Construction Co.), Boone, NC

Electrical: Besco Electric Corporation, Huntersville, NC

Plumbing: Cajah's Mountain Plumbing, Heating and Air Conditioning, Inc., Lenior, NC

HVAC: Price and Price Mechanical of North Carolina, Inc., Arden, NC

Status and Next Major Milestone: Thirteen-month construction project commenced in January 2002. Now 65% complete.

Schedule:

#	Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
#	Design	Tue 5/1/01	Wed 4/9/03										
#	Construction	Tue 1/29/02	Fri 7/9/04										
#	Finish	Fri 7/9/04	Fri 7/9/04					★ 7/9					

HUB Participation:

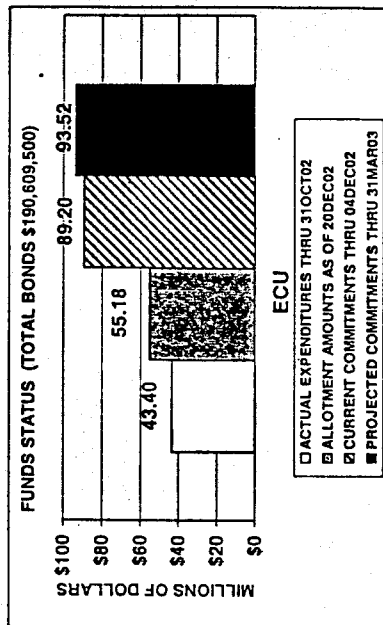
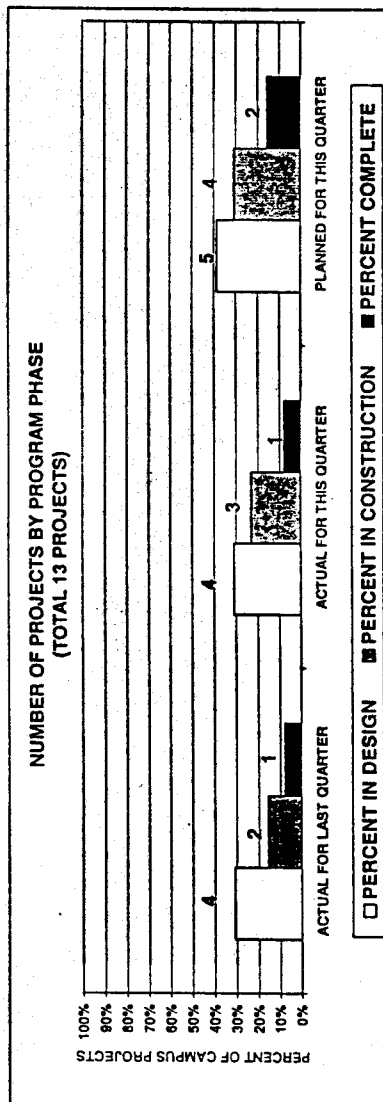
\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$107,184	\$135,329	\$242,513	\$1,933,274	0.0%	5.5%	7.0%	12.5%

Schedule Legend: Vertical dotted line indicates current date. Solid black line indicates progress. Star indicates project finish milestone.

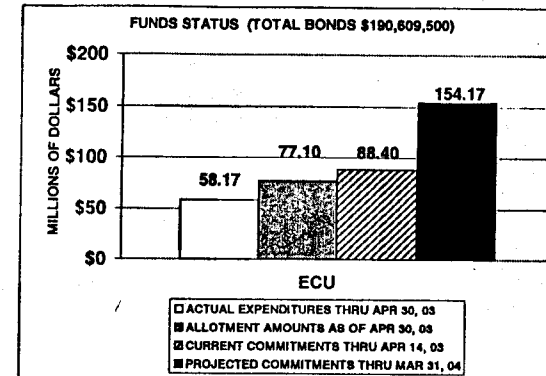
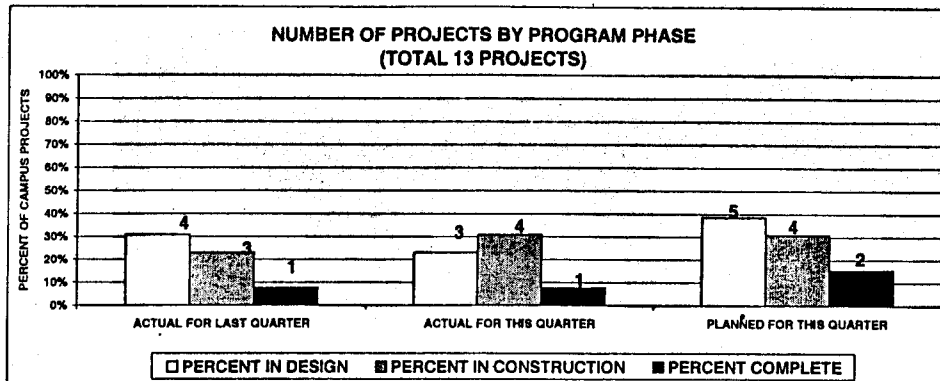
UNC Bond Program

East Carolina University

Institutional Summary



PROJECTS BID TO DATE					HUB PARTICIPATION					
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION AND OTHER PHASE EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST. - BID)	AFF. AM.	WBE%	OTHER%	TOTAL
Campus Computing Center Comprehensive Renovation	\$1,785,000	\$1,760,056	\$3,545,056	\$2,892,057	\$2,741,891	\$150,166	0.0%	5.7%	0.0%	5.7%
Expansion and Renovation of Old Nursing Building	\$14,685,500	\$500,000	\$15,185,500	\$9,563,744	\$8,660,000	\$903,744	2.4%	10.1%	2.6%	15.1%
Science and Technology Electrical Infrastructure, Repairs and Expansion (Utilities)	\$16,291,100		\$16,291,100	\$4,410,116	\$4,410,116	\$0	0.0%	0.0%	100.0%	100.0%
Additional Infrastructure (Tables Design, Continuing Education)			\$4,410,116 \$10,098,836 \$1,782,148 \$16,291,100							



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Campus Computing Center - Comprehensive Renovation	\$1,785,000	\$1,760,056	\$3,545,056	\$2,892,057	\$2,741,891	\$150,166	0.0%	5.7%	0.0%	5.7%
Classroom Improvements - Technology Upgrades and Renovation *	\$3,648,400		\$3,648,400							
Project: Sub#3061 Jenkins			\$255,000	\$207,240	\$250,000	-\$42,760	0.0%	0.0%	100.0%	100.0%
Project: Sub#3062 Austin			\$1,102,000							
Project: Sub#3063 Brody			\$254,235							
Project: Various			\$236,682	N/A - Numerous small jobs	\$236,682		0.0%	0.0%	61.5%	61.5%
Design, Contingency, Equip., etc.			\$436,550							
			\$2,284,467							
Expansion and Renovation of the Old Nursing Building *	\$14,685,500	\$500,000	\$15,185,500							
Rivers Building Addition			\$12,497,300	\$9,563,744	\$8,660,000	\$903,744	2.7%	10.3%	4.3%	17.3%
Rivers Building Renovation			\$2,225,561							
Design, Contingency, Equip., etc.			\$462,639							
			\$15,185,500							
Infrastructure - Repairs and Expansion (Utilities) *	\$16,291,100		\$16,291,100							
Science and Technology Electrical			\$4,410,116	\$4,410,116	\$4,410,116		\$0 included in Science and Technology Project			
Additional Infrastructure Phases			\$10,098,836							
Design, Contingency, Equip., etc.			\$1,782,148							
			\$16,291,100							

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Science Laboratories and Technology Building - Replacement for Flanagan Science Building	\$55,125,300	\$6,259,983	\$61,385,283	\$49,275,000	\$49,225,200	\$49,800	0.7%	4.8%	27.0%	32.5%
Technology Infrastructure Equipment, wiring, and related purchases	\$807,600		\$807,600	N/A - Numerous small jobs	\$807,600		0.0%	0.0%	0.5%	0.5%
Additional phases			\$600,000							
			\$207,600							
			\$807,600							
TOTAL VARIANCES						\$1,060,950				
TOTAL HUB DATA FOR INSTITUTION							0.9%	5.5%	23.0%	29.4%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or Completion later than date needed; design / construction 10%+ behind)

Land acquisitions are ahead of schedule because procurement opportunities have resulted in escalated land acquisitions. Previously reported.

Technology Infrastructure Expansion equipment purchases were delayed until the non-bond matching funds were available to buy the equipment. Additional equipment purchases are still planned. Previously reported.

Belk Building Renovation is ahead of schedule due to the refinement of the construction schedule, with construction starting earlier than originally projected. Previously reported.

Classroom Improvements - Technology Upgrades delay resulted from the baseline schedule allotting time for 5 of the 6 projects in the design cycle. Construction is on schedule and will complete on time. Previously reported.

Medical School Library project was combined with Allied Health and Development Clinic for a CM at Risk Contract resulting in an expedited schedule. Previously reported.

Infrastructure Repairs and Expansion is behind baseline schedule because the design is taking longer than expected.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

The use of a CM at Agent under the designer's contract for the Science and Technology Building has provided vital support for negotiating change orders at more appropriate pricing than may be initially proposed by the contractor.

East Carolina University

Campus Computing Center – Comprehensive Renovation

Bond Funds \$1,785,000

Other Sources \$1,760,056

Other \$1,760,056

Total Project Budget \$3,545,056

COMPLETED

Scope: This project involved the renovation and modernization of campus computing center facilities for centralized information technology. It addressed the current and future space needs of the rapidly growing information technology operation serving the campus and the region. As space is acquired and renovated, units scattered across campus will be able to consolidate, thereby allowing the spaces they vacate to be renovated for other academic needs.

Designer: Davis Kane Architects, Raleigh, NC

Construction Type/Contractor(s): Multi-prime

General Contractor: D.S. Simmons, Inc., Goldsboro, NC

Electrical: Encompass Electrical Technologies, Greenville, NC

Plumbing: James L. Cayton Associates, Inc., New Bern, NC

HVAC: Mechworks, Inc., Beaufort, NC

Status: Construction completed on July 29, 2002, within budget and 45 days ahead of baseline schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	12/6/00	12/3/01										
Construction	12/4/01	9/12/02										
Finish	7/29/02	7/29/02										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$165,732	\$0	\$165,732	\$2,896,890	0.0%	6.0%	0.0%	6.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

East Carolina University

Classroom Improvements – Technology Upgrades and Renovation (Speight, Brewster, Rivers, General Classroom Building, Rawl and Austin)

Bond Funds \$3,648,400

Other Sources \$0

Total Project Budget \$3,648,400

Scope: These improvements are part of an ongoing modernization process to support teaching with electronic media at ECU. Classrooms are being updated to facilitate web-based and other computer assisted modes of instruction, as well as lighting and acoustics.

Designer: Jenkins Art Metals Studio Phase
Newcomb & Boyd, Atlanta, GA

Designer: Classroom Improvements
Davis Kane Architects, Raleigh, NC

Construction Type/Contractor(s): Single-prime

Jenkins Art Metals Studio Phase

General Contractor: Bay Mechanical, Virginia Beach, VA

Status and Next Major Milestone: Phase I Jenkins Art complete. Schedule below depicts Phase 3 Austin Classroom Bldg., now with CD's under review at state agencies and Phase 4 Classroom Improvements project programming complete. Next major milestones: Preparation of design contract for Phase 4 May 2003 and Phase 3 Bidding April 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	4/16/01	5/4/04										
Construction	4/23/02	8/25/04										
Finish	8/25/04	8/25/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$395,659	\$395,659	\$486,682	0.0%	0.0%	81.3%	81.3%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

East Carolina University

Expansion and Renovation of the Old Nursing Building

Bond Funds \$14,685,500

Other Sources \$500,000

Total Project Budget \$15,185,500

Scope: This project addresses office space needs for faculty members currently scattered in locations on and off campus. Included in the cost estimate is infrastructure unique to the site, such as the extension of chilled water lines for air conditioning from the central chiller plant in the Science and Technology Building. Upon completion of the new Nursing, Allied Health and Developmental Evaluation Clinic Complex described above, the existing north wings of the Old Nursing Building will be renovated to accommodate enrollment growth on the East Campus, reducing the need for new construction. Removing large amounts of asbestos will add significant flexibility and utility to the Old Nursing and Belk buildings.

Designer: Pearce Brinkley Cease and Lee, Raleigh, NC

Construction Type/Contractor(s): Single-prime
General Contractor: D.H. Griffin, Goldsboro, NC

Status and Next Major Milestone: The expansion phase (Rivers Addition) started construction January 2003 with 13-month construction schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	2/1/02	3/7/06										
Construction	1/1/03	2/22/07										
Finish	2/22/07	2/22/07										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$235,114	\$889,985	\$375,210	\$1,500,309	\$8,660,000	2.7%	10.3%	4.3%	17.3%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

East Carolina University

Infrastructure – Repairs and Expansion

Bond Funds **\$16,291,100**

Other Sources **\$1,000,000**

Total Project Budget **\$17,291,100**

Scope: To respond to enrollment growth on both the East and West campuses, and to provide cost-effective utilization of energy, significant improvements in steam, electricity, gas, and chilled water systems are needed. These projects include chiller plant extensions, steam line replacements, and expansions of primary electric loops essential to a dependable and cost-effective operation.

Designer:

Science and Technology Electrical Phase Newcomb & Boyd, Atlanta, G A

Construction Type/Contractor(s):

Science and Technology Electrical Phase: Multi/prime

General Contractor:

DH Griffin, Goldsboro, NC

Electrical:

Aneco Electrical, Apex, NC

Mechanical:

Bay Mechanical, Virginia Beach, VA

Status and Next Major Milestone: Phase 1 Main Steam Crossing complete. Phase 2 Utilities Infrastructure is currently in DD production, DD review to start April 2003. Phase 3a Electrical Distribution West currently in CD production and CD review to start March 2003. Phase 3b & 3c to start designer selection later this year.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	2/1/00	7/21/04										
# Construction	3/4/03	5/25/05										
# Finish	5/25/05	5/25/05						☆	★ 5/25			

HUB Participation: Shown under Science and Technology

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$0	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

East Carolina University

Science Laboratories and Technology Building – Replacement for Flanagan Science Building

Bond Funds \$55,125,300
Other Appropriations \$6,229,983
96 Appropriations \$6,229,983

Other Sources \$0

Total Project Budget \$61,355,283

Scope: This building will include teaching, laboratory, and associated faculty office space and will be the core science instructional facility for the Department of Chemistry and the School of Industry and Technology on campus. It will replace the Flanagan Building, which is overcrowded and in poor condition and will be renovated for other academic use. The project cost includes necessary infrastructure improvements, such as installation of a new boiler in the campus' central steam plant and relocation of a campus roadway.

Designer: NBBJ, Research Triangle Park, NC

Construction Type/Contractor(s): Multi/prime

General Contractor: D.H. Griffin Construction, Raleigh, NC

Electrical: Aneco Electrical, Apex, NC

Plumbing: James A. Cayton Associates, New Bern, NC

HVAC: Bay Mechanical, Garner, NC

Status and Next Major Milestone: Twenty – three month construction project is 92% complete. Expected completion is scheduled for May 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/15/00	6/13/01										
Construction	6/14/01	5/13/03										
Finish	5/13/03	5/13/03										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$359,000	\$2,605,235	\$14,535,838	\$17,500,073	\$53,894,913	0.7%	4.8%	27.0%	32.5%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

East Carolina University

Technology Infrastructure Expansion

Bond Funds **\$807,600**

Other Sources **\$0**

Total Project Budget **\$807,600**

Scope: This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

Designer: In-House

Construction Type/Contractor(s):
(Equipment Purchases and Wiring)

Status and Next Major Milestone: Phase I construction is currently 90% complete.
Completion expected May 2003.

Schedule:

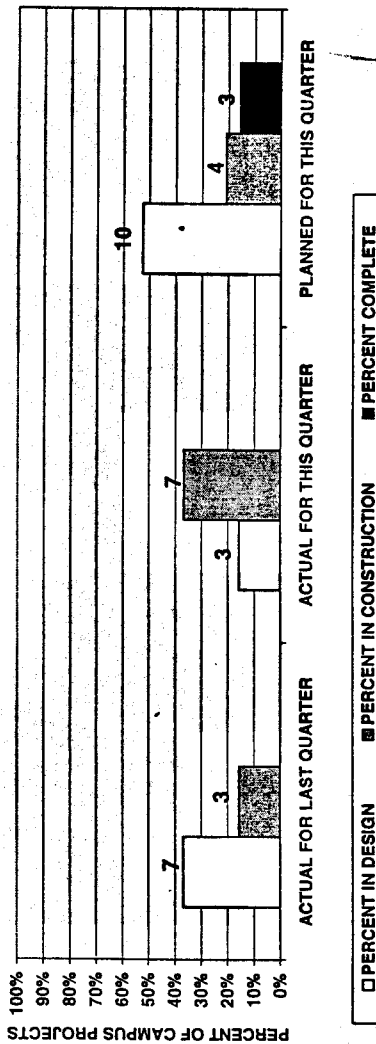
Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Phase I Constr.	3/11/02	5/29/03										
# Finish	5/29/03	5/29/03			☆	★ 5/29						

HUB Participation:

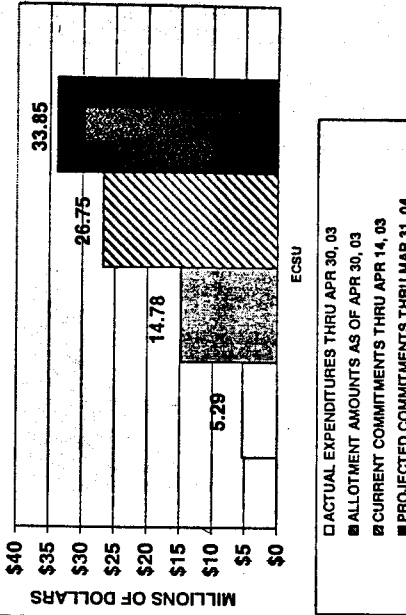
\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$2,925	\$2,925	\$599,083	0.0%	0.0%	0.5%	0.5%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

NUMBER OF PROJECTS BY PROGRAM PHASE
(TOTAL 19 PROJECTS)



FUNDS STATUS (TOTAL BONDS \$46,296,800)



PROJECTS BID TO DATE										HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL			
Central Chiller Plant	\$1,400,000		\$1,400,000		CM at Risk								
Doles Residence Hall - Comprehensive Renovation	\$1,722,500				CM at Risk								
Johnson Hall Classroom Building - Comprehensive Renovation *	\$3,156,300	\$20,000	\$3,176,300	\$63,000	\$59,500	\$3,500	0.0%	0.0%	0.0%	0.0%			
Relocate Language Lab			\$83,000										
Johnson Hall Renovation			\$2,300,000										
Design, Contingency, Equipment, etc.			\$813,300										
			\$3,176,300										
Mitchell-Lewis Residence Hall - Comprehensive Renovation	\$2,123,700				CM at Risk								
Physical Education Facilities	\$1,447,500		\$1,447,500	\$1,430,000	\$1,399,600	\$30,400	7.4%	4.1%	0.0%	11.4%			
Residence Hall for 200 Students - Replacement of Symera Hall	\$5,510,000				CM at Risk								
Student Center	\$8,778,300				CM at Risk								
Wanack Residence Hall - Comprehensive Renovation	\$3,334,300				CM at Risk								

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
White Graduate Center *	\$1,514,000	\$156,354	\$1,670,354							
Toilet Renovations			\$310,000							
Main Hall Renovations			\$350,000							
Boiler/Generator/HVAC Repairs			\$203,000							
Drainage Repairs			\$225,000							
Masonry Repairs			\$235,000	\$235,000	\$233,000	\$2,000	0.0%	0.0%	0.0%	0.0%
Design, Contingency, Equip., etc.			\$347,354							
			\$1,670,354							
Williams Hall Classroom Building	\$2,822,700	\$479,000	\$3,301,700	\$2,350,000	\$2,338,393	\$11,607	0.0%	24.9%	0.0%	24.9%
TOTAL VARIANCES						\$47,507				
TOTAL HUB DATA FOR INSTITUTION							2.6%	15.8%	0.0%	18.4%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings.
In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or Completion later than date needed; design / construction 10%+ behind)

Campus Infrastructure Improvements is reflecting an expedited schedule as a result of the consolidation of separate building needs into a central plant concept and the completion of a utility master plan that provides additional supporting details for other schedule improvements. Previously reported.

Williams Hall Classroom Building and Technology Infrastructure Expansion, the apparent delays in these projects reflect the refinement of schedules to more accurately portray the schedule impact of program needs, such as windows of opportunity for academic departments to move during semester breaks and the sequencing of projects required for swing space. Previously reported.

White Graduate Center Renovation delay is due to a rescheduling of the construction to better align with periods of minimal building use.

Energy Management System Improvements are delayed as the technology of energy management stabilizes. Recent innovations in interconnectability of these systems need to be refined before the university should adopt them.

Johnson Hall Classroom intentionally delayed for one semester due to projected enrollment increase that would preclude taking the building out of service. This delay imparts a similar delay in Lane Hall Renovations and Trigg Hall Renovations which follow sequentially.

Lester Hall Classroom delayed to align with completion of Central Chiller Plant allowing hookup to the Central Plant loop.

Wilkins Laboratory Building delayed. Campus is considering alternate uses for building in accordance with recently completed Master Plan.

Schedule for Student Center, 200 Bed Residence Hall, Central Utility Plant, Mitchell-Lewis Residence Hall, Wamack Residence Hall, and Doles Residence Hall were all impacted by combination of these several projects into a single CM at Risk Project. Student Center, Residence Hall, and Central Chiller Plant projects will all start together thereby delaying scheduled start of two projects to match the latest scheduled start. Sequential renovations of Mitchell-Lewis and Wamack are delayed accordingly (commence after completion of new Residence Hall).

Physical Education Facilities delayed. Project is 99 percent complete. Variance from baseline schedule due to unrealistically optimistic baseline schedule, not due to design or construction delays.

Elizabeth City State University

Institutional Summary

Electrical Distribution System Upgrades Delayed. Construction of Central Utility Plant obviated need for full scale electrical distribution system upgrade. Elements of this project are being completed under CM at Risk project. Minor remaining work to be rescheduled.

Technology Infrastructure Expansion delayed. Apparent delay due to faulty (unrealistic) baseline schedule. Project is proceeding properly.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

Separate boilers and chillers would traditionally have been proposed for renovations or new projects at ECSU. Because of the scale opportunity the bond program provided, these individual building needs were consolidated and the commensurate funding shares pooled to permit the establishment of a central utility plant for heating and cooling. This provides an opportunity for improved economies in operations and maintenance as individual systems, potentially of different manufacturers, are eliminated.

Elizabeth City State University

Johnson Hall Classroom Building – Comprehensive Renovation

Bond Funds \$3,156,300

Other Sources \$20,000

Total Project Budget \$3,176,300

Scope: Renovation of Johnson Hall will provide additional classroom and office space to meet enrollment growth. The scope of work includes remodeling spaces vacated by the Art Department, replacement of heating and air conditioning units, renewal of interior surfaces, replacement of windows, and sealing exterior brick.

Designer: Ellinwood Design Associates, Greenville, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Waldt Construction, Point Harbor, NC

Status and Next Major Milestone: Language lab project construction underway. The main renovation project now in DD production. Anticipate DD reviews to start May 2003

Schedule:

C	Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
#	Design	10/25/01	3/2/04										
#	Construction	11/25/02	10/27/04										
#	Finish	10/27/04	10/27/04					☆ ★ 10/27					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$3,176,300	0.0%	0%	0.0%	0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Elizabeth City State University

Physical Education Facilities

Bond Funds \$1,447,500

Other Sources \$0

Total Project Budget \$1,447,500

Scope: This project will provide improved playing fields, classrooms, locker rooms, and bathrooms immediately adjacent to outdoor facilities, allowing class sections to combine classroom instruction with outdoor training. The resulting facility will also intermittently support commencement, intramural sports, and intercollegiate athletics.

Designer: Applegate Architects, New Bern, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Blueridge General, Inc., Norfolk, VA

Status and Next Major Milestone: Construction now 98% complete. Scheduled to finish April 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	12/1/00	5/2/02										
Construction	5/3/02	4/25/03										
Finish	4/25/03	4/25/03				★ 4/25						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$103,000	\$56,690	\$0	\$159,690	\$1,399,600	7.4%	4.1%	0.0%	11.4%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Elizabeth City State University

Student Center

Bond Funds **\$8,778,300**

Other Sources **\$0**

Total Project Budget **\$8,778,300**

Scope: Existing student recreation facilities -- constructed to serve a campus population of fewer than 1,000 -- are inadequate for the current student body's administrative, cultural, social, and recreational needs. This new building will expand and augment existing facilities, and will include meeting, study, conference, and recreation spaces for students. Student services functions (financial aid, admissions, counseling, housing, campus security, infirmary, etc.) will be consolidated from diverse spaces around campus, freeing other space for academic use. This project includes modifications to Bedell Hall cafeteria, Ridley University Center, the University Bookstore, and the Commuter Center. Those functions will be integrated in the new building. The project cost estimate includes relocation of a campus roadway extension of campus utilities, and installation of additional chiller capacity in the central chiller plant. This project is being combined with the residence hall projects (Mitchell-Lewis, Wamack, Doles and the new residence hall) for improved schedule control and project delivery under a single CM at risk contract.

Designer: Freelon Group, Durham, NC

Construction Type/Contractor(s): CM at Risk

Construction Manager: McKenzie Construction, Elizabeth City, NC

Status and Next Major Milestone: CM at Risk project. Design completed and review finished. The GMP finalized March 14, 2003. Construction anticipated to start April 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	12/1/00	3/28/03										
Construction	3/31/03	8/16/04										
Finish	8/16/04	8/16/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$0	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Bond Program

Elizabeth City State University

White Graduate Center and Continuing Education Building – Comprehensive Renovation

Bond Funds \$1,514,000

Other Sources \$156,354

Total Project Budget \$1,670,354

Scope: Comprehensive renovations will correct poor facility conditions. Interior surfaces will be renewed, persistent wall leakage problems corrected, the roof replaced, and the heating and air conditioning system zoned to improve temperature control.

Designer: Applegate Architects, New Bern, NC

Construction Type/Contractor(s): Masonry Repairs Phase Single-prime
General Contractor: McKenzie Construction, Elizabeth City, NC

Status and Next Major Milestone: Design is 100% complete. Masonry construction is 71% complete. Anticipate the balance of construction to be completed July 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	8/31/01	11/4/02										
Construction	11/5/02	7/15/03										
Finish	7/15/03	7/15/03										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$233,000	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Elizabeth City State University

Williams Hall Classroom Building – Comprehensive Renovation

Bond Funds \$2,822,700

Other Sources \$479,500

Total Project Budget \$3,302,200

Scope: This project will provide a comprehensive modernization of Williams Hall for reuse by academic departments. The scope of work includes remodeling spaces vacated by the Music Department, modernization of heating and air conditioning, renewal of interior surfaces, replacement of the gymnasium ceiling and roof, slate roof repairs, sealing exterior brick, and renewal of the building facade. The project will provide additional classroom space to meet enrollment growth.

Designer: Ellinwood Design Associates, Greenville, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Waldt Construction, Point Harbor, NC

Status and Next Major Milestone: Construction is currently 45% complete. Construction scheduled to finish August 2003.

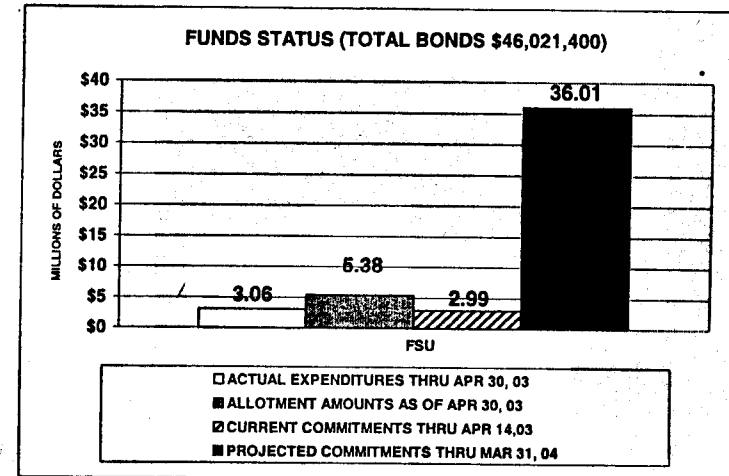
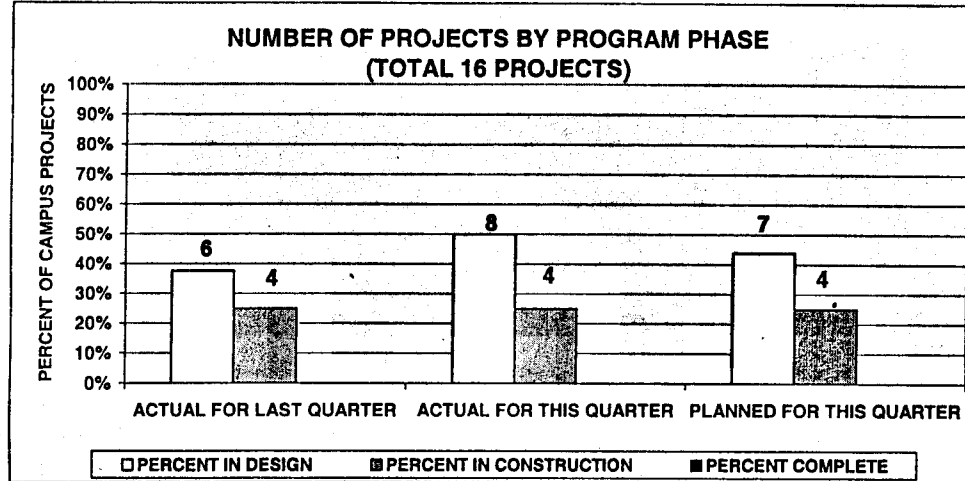
Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	12/1/00	12/26/02										
# Construction	12/27/02	8/15/03										
# Finish	8/15/03	8/15/03				☆ ★ 8/15						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$581,497	\$0	\$581,497	\$2,338,393	0.0%	24.9%	0.0%	24.9 %

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Campus Infrastructure Improvements *	\$1,435,000		\$1,435,000							
#1000 Realign Grace Black Cir. and Improve Storm Drainage			\$198,914	\$235,000	\$198,914	\$36,086	5.7%	78.6%	3.9%	88.0%
#2000 Murchison Rd. Streetscape			\$786,900							
#3000 Construct Brick Walk Near Student Center			\$42,000							
#4000 Miscellaneous Sidewalk Repair/Replacement			\$140,300							
Design, Contingency, Equipment, etc.			\$266,886							
			\$1,435,000							
Comprehensive Renovation and Conversion of Spaulding (Old infirmary) for Public Safety Facilities	\$1,029,100		\$1,029,100	\$877,088	\$838,754	\$38,334	4.2%	0.0%	95.8%	100.0%
Student Residence Halls - Fire Safety Improvements	\$811,700		\$811,700	\$561,000	\$482,670	\$78,330	0.0%	0.0%	50.5%	50.5%
TOTAL VARIANCES						\$152,750				
TOTAL HUB DATA FOR INSTITUTION							3.0%	10.3%	69.4%	82.7%

Fayetteville State University

Institutional Summary

* Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS:

Cook Dining Hall is ahead of schedule and being expedited in order to provide swing space. Previously reported.

Lyons Science & Lab Building Renovation is ahead of schedule because the design is proceeding more rapidly than planned. Previously reported.

Charles Chestnut Library Renovation schedule is being accelerated. Previously reported.

Seabrook Auditorium Renovation was delayed by an unexpected structural problem that required additional design time to resolve. Previously reported.

Campus Infrastructure Improvements schedule is being accelerated. Previously reported.

Spaulding Renovation is ahead of schedule because the general contractor's construction schedule reflects a shorter construction duration than the baseline schedule. Previously reported.

Technology Infrastructure Expansion schedule is being expedited. Previously reported.

Residence Hall was delayed because the CD's had to go through a 2nd review at the State Construction Office.

Science Annex Renovation and design is progressing more rapidly than planned.

Continuing Education Center schedule is being expedited.

Student Residence Halls Fire Safety is behind schedule because the first 2 residence halls are being retrofitted while still being occupied. The final 2 will be completed during the summer break. All are scheduled to be completed and back in service before fall semester 2003.

BUDGET EXCEPTIONS: (Criteria: A current project deviates 5% +/- from the budget)

None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

Internally, FSU is working to begin programming projects prior to a designer coming under contract in order to preposition designers for a quick start. Project user representatives meet with staff for a day or more approximately two weeks before the designer's first meeting. This supports the identification and resolution of any internal conflicts in user needs so that clear expectations can be communicated to the designer and a protracted programming stage, often precipitated by conflicting user goals, can be avoided.

Fayetteville State University

Campus Infrastructure Improvements

Bond Funds **\$1,435,000**

Other Sources **\$0**

Total Project Budget **\$1,435,000**

Scope: Construction of priority capital projects, including the 275-bed residence hall and the Lyons Science and Laboratory Building and implementation of one-stop shopping student services at what is now Lilly Gymnasium, mandates re-routing vehicular and pedestrian traffic patterns. The changes will comply with the Campus Master Plan.

Designer: Moorman, Kizer, and Reitzel, Fayetteville, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Bunce Construction, Raeford, NC

Status and Next Major Milestone: Phase 1 currently 35% complete in an eight-month construction schedule. Scheduled completion of all phases is July 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	3/9/01	11/22/02										
# Construction	11/25/02	7/25/03										
# Finish	7/25/03	7/25/03				★ 7/25						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$11,276	\$156,400	7,6751	\$175,351	\$198,914	5.7%	78.6 %	3.9%	88.2%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Fayetteville State University

Comprehensive Renovation and Conversion of Spaulding (Old Infirmary) for Public Safety Facilities

Bond Funds \$1,029,100

Other Sources \$0

Total Project Budget \$1,029,100

Scope: Spaulding Infirmary will be renovated and converted for use by the campus police department, and the main entrance to campus improved in keeping with the Campus Master Plan.

Designer: Pease Associates, Charlotte, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Lonnie Locklear & Sons Construction, Shannon, NC

Status and Next Major Milestone: Construction started December 2002. Currently 38% complete. Anticipate completion October 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/10/00	12/3/02										
Construction	12/4/02	10/6/03										
Finish	10/6/03	10/6/03										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$35,000	\$0	\$803,754	\$838,754	\$838,754	4.2%	0.0%	95.8%	100%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Fayetteville State University

Student Residence Halls - Fire Safety Improvements

Bond Funds \$611,700

Other Sources \$0

Total Project Budget \$611,700

Scope: This project will make needed fire safety improvements to residence halls. Sprinkler systems will be installed and old fire alarm systems will be replaced with current equipment.

Designer: Robson and Woese, Durham, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Intram Company, Fayetteville, NC

Status and Next Major Milestone: Construction started December 2002. Currently 46% complete. Anticipate completion August 2003.

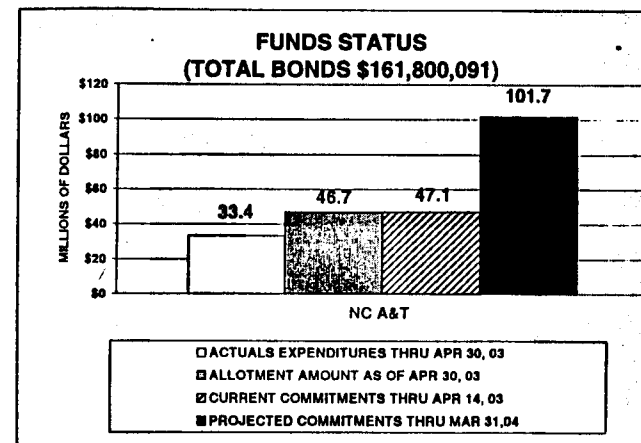
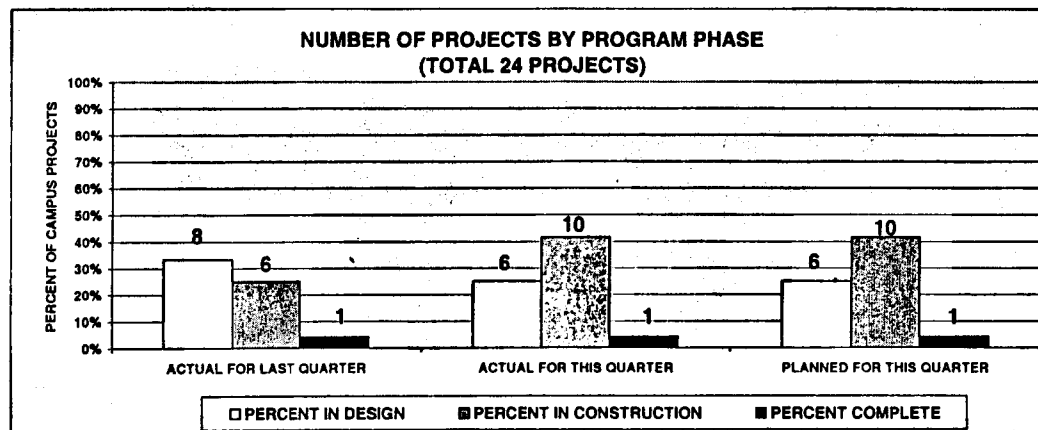
Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	4/27/01	12/3/02										
Construction	12/4/02	8/13/03										
Finish	8/13/03	8/13/03				★ 8/13						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$243,842	\$243,842	\$482,670	0.0%	0.0%	50.5%	50.5%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Campus Security Improvements	\$828,716	\$450,000	\$1,278,716	\$713,000	\$728,000	-\$15,000	0.0%	0.0%	0.0%	0.0%
Classroom and Laboratory Complex *	\$37,078,375	\$1,842,325	\$38,920,700							
General Classroom Phase II			\$16,000,000	\$21,544,237	\$15,174,099	\$6,370,138	5.3%	1.2%	0.0%	6.5%
General Classroom Phase 1A (Moore Swing Space)			\$350,000	\$320,000	\$306,000	\$14,000	6.2%	0.0%	0.0%	6.2%
General Classroom Phase III			\$9,300,000							
Design, Contingency, Equip., etc.			\$13,270,700							
			\$38,920,700							
Electrical Distribution System *										
Upgrade and Expansion Phase I	\$ 2,256,800		\$2,256,800	\$1,201,850	\$995,000	\$206,850	0.0%	0.0%	100.0%	100.0%
Upgrade and Expansion Phase II										
Design Contingency, Equip., etc.										
Land Acquisition	\$ 2,921,700		\$2,921,700							
Demolition/Asbestos Removal			\$190,000	\$190,000	\$188,639	\$1,361	74.4%	0.0%	0.0%	74.4%
Additional Acquisitions			\$2,731,700							
			\$2,921,700							

North Carolina A and T State University

Institutional Summary

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
New Student Housing Combined with Scott, Gamble, and Curtis Residence Halls **	\$30,862,417		\$30,862,417							
Sub #4008 Ward Hall			\$563,000	\$520,000	\$489,000	\$31,000	0.7%	10.9%	0.0%	11.6%
Site Package			\$799,652	\$799,652	\$769,208	\$30,444	24.9%	0.0%	0.0%	24.9%
Phase I			\$12,340,115	\$12,340,115	\$12,126,357	\$213,758	13.6%	6.0%	0.4%	19.9%
Phase II			\$14,666,350							
Design, Contingency, Equip., etc.			\$2,493,300							
			\$30,862,417							
Replacement of Steam Lines and Access Holes *	\$1,568,300		\$1,568,300							
Steamline - Mitchell Dr. West			\$300,000	\$200,000	\$194,487	\$5,513	1.6%	10.8%	0.0%	12.4%
Steamline - Mitchell Dr. East			\$240,000	\$145,000	\$140,000	\$5,000	2.3%	29.2%	0.0%	31.5%
Steamline - Campus Modifications			\$760,000							
Design, Contingency, Equip., etc.			\$268,300							
			\$1,568,300							
Technology Infrastructure Expansion	\$2,921,700		\$2,921,700	N/A	\$194,480	N/A	28.9%	0.0%	0.0%	28.9%
Three Classroom Buildings (Dudley, Gibbs, and Moore) - Comprehensive Renovation *	\$4,797,100		\$4,797,100							
Three Classroom Buildings - Dudley Phase III			\$1,200,000	\$947,550	\$1,087,187	-\$139,637	1.1%	4.7%	0.0%	5.8%
Three Classrooms - Moore			\$360,000							
Three Classrooms - Gibbs			\$2,300,000							
Design, Contingency, Equip., etc.			\$937,100							
			\$4,797,100							
TOTAL VARIANCES						\$6,723,427				
TOTAL HUB DATA FOR INSTITUTION							9.0%	3.6%	3.1%	15.7%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings.

In like manner, non-bond funding contributions may be reduced.

**Bond funding shown reflects transfers between bond projects.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or completion later than date needed; design / construction 10%+ behind)

Morrison Residence Hall is ahead of schedule because the window of opportunity presented itself to start early and avoid taking the residence hall off line. Previously reported.

Improvements to School of Agriculture Facilities is behind schedule because the lack of record drawings meant additional design work. Previously reported, now bidding.

Barnes Hall Lab is ahead of schedule because design could be started early. Previously reported.

Electrical Distribution System is behind schedule as a result of design changes required by state review agencies. Previously reported.

North Carolina A and T State University

Institutional Summary

Cherry Hall Lab is ahead of schedule because design could be started early. Previously reported.

Technology Infrastructure Expansion is ahead of schedule as a result of timely equipment purchases and successful force account installations. Previously reported.

Chemistry Laboratory - Replacement of Hlines is behind baseline schedule because the design took longer than anticipated. CD's had to be resubmitted for corrections.

New Student Housing (Includes Curtis Residence, Scott Residence, Gamble residence) is ahead of schedule because they are all combined under one CM at Risk contract, all the designs were done at the same time, and completion of an early site preparation package.

Hazardous Materials & Waste Storage Facility is ahead of schedule because the project was expedited. Should bid in July 2003.

Graham Hall Engineering Laboratory is ahead of schedule because design could be started earlier than planned.

3 Classroom Buildings (Dudley, Gibbs & Moore) is behind baseline schedule because lack of swing space would not allow both Moore & Gibbs to be renovated at the same time. Now these two are sequentially scheduled instead of concurrent, creating a longer construction schedule.

Campus Security was completed ahead of baseline schedule because it was expedited.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

Weekly coordination meetings are being held to improve work coordination between the multi-prime contractors on the General Classroom project, similar to "Partnering," but more informal. This has proven useful in eliminating or minimizing conflicts that adversely impact construction progress and thus schedule.

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North Carolina A&T State University

Campus Security Improvements

Bond Funds \$828,716
Other Appropriations \$450,000

COMPLETED

Other Sources \$0

Total Project Budget \$1,278,716

Scope: Bond funding restoration of funds redirected to Hurricane Floyd recovery efforts and made up a portion of the total project funding to enhance campus security by improving lighting and the availability of emergency telephone call boxes.

Designer: Sutton-Kennerly, Greensboro, NC

Construction Type/Contractor(s): Single-prime

Electrical: Commercial Electric, Greensboro, NC

Status: Construction completed in December 2001, within budget and 16 months ahead of baseline schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/8/00	5/3/01										
Construction	5/4/01	11/30/01										
Finish	11/30/01	11/30/01										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$828,716	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina A&T State University

Classroom and Laboratory Complex

Bond Funds \$37,078,375
 Other Appropriations \$1,842,325
 97 Appropriations \$1,842,325

Other Sources \$0

Total Project Budget \$38,920,700

Scope: This building will provide space for enrollment growth in the schools of Arts & Sciences and Business & Economics, and expand information technology use in the classrooms. The scope of work includes renovating the existing Crosby Robeson Theatre and Merrick Halls to enhance Graduate Program support and construction related infrastructure work, such as installation of steam lines and parking area relocations.

Designer: Hayes, Seay, & Mattern, Greensboro, NC

Construction Type/Contractor(s): Single - Prime

Moore Gym Swing Space: Greensboro Contracting Company, Greensboro, NC

Construction Type/Contractor(s): Multi - prime

General Classroom Phase I

General Contractor: Clancy & Theys Construction. Co., Raleigh, NC

Electrical: Cooper Electrical Co., Greensboro, NC

Plumbing: ABL & Associates, Raleigh, NC

HVAC: Environmental Air Systems, Inc., Greensboro, NC

Fire Protection: High Point Sprinkler, Inc., High Point, NC

Status and Next Major Milestone: Phase II construction almost complete. Phase III design package is currently at CD review phase. Anticipate construction to start July 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/8/00	7/16/03										
Construction	9/1/00	9/16/04										
Finish	9/16/04	9/16/04					★ 9/16					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$827,736	\$185,555	\$0	\$1,013,291	\$15,690,766	5.3%	1.2%	0.0%	06.5%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina A&T State University

Electrical Distribution System – Upgrade and Expansion

Bond Funds \$2,256,800

Other Sources \$0

Total Project Budget \$2,256,800

Scope: This project will add the capacity necessary to meet electric power requirements for the renovated and new facilities, replace inadequate transformers and transmission lines, and enhance capacity to create three power loops within the boundaries of the campus to support additional land acquisitions.

Designer: Booth & Associates, Inc., Raleigh, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Mastec North America, Inc., Charlotte, NC

Status and Next Major Milestone: Notice to Proceed was issued first of April 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/8/00	4/3/03										
Construction	4/4/03	3/26/04										
Finish	3/26/04	3/26/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$995,000	\$995,000	\$995,000	0.0%	0.0%	100%	100%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina A&T State University

New Student Housing – Combined with Curtis, Gamble and Scott

Bond Funds \$30,862,417

Other Sources \$0

Total Project Budget \$30,862,417

Scope: NC A&T currently has no graduate/married student housing on campus. This project will consist of a mix of one- and two-bedroom units to address current and enrollment growth needs for this segment of the student population. This project is being combined with all residence hall projects for improved schedule control and project delivery under a single CM at risk contract.

Scope: Curtis Hall will replace an old 149-bed residence hall that does not meet fire safety codes, Americans with Disabilities Act requirements, student security needs, or other minimum standards for student living. This project is being combined with all residence hall projects for improved schedule control and project delivery under a single CM at risk contract

Scope: Gamble Hall will replace a 58-bed residential facility that does not meet fire safety codes, Americans with Disabilities Act requirements, or minimum student living standards. The replacement building will address current and enrollment growth needs, and enhance student living conditions. This project is being combined with all residence hall projects for improved schedule control and project delivery under a single CM at risk contract.

Scope: Scott Hall will replace another dormitory, Scott Residence Hall, which does not meet Americans with Disabilities Act requirements or minimum student living standards. The replacement for this aging 967-bed facility will address current and enrollment growth needs, and enhance student living conditions. This project is being combined with all residence hall projects for improved schedule control and project delivery under a single CM at risk contract.

Designer: Clark-Nexsen, Charlotte, NC

Designer:
Ward Hall Phase Hayes, Seay, & Mattern, Greensboro, NC

Construction Type/Contractor(s): Site work CM at Risk
Construction Manager: Maxam Construction Company, Greensboro, NC

Status and Next Major Milestone: Phase I Site Work construction complete. Phase II, first 2 buildings, is currently at 13%. Anticipate completion November 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/9/00	10/21/02										
Construction	10/21/02	11/22/04										
Finish	11/22/04	11/22/04						★ 11/22				

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$1,838,791	\$782,560	\$51,112	\$2,672,463	\$13,440,163	13.7%	5.8%	0.4%	19.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina A&T State University

Replacement of Steam Lines and Access Holes

Bond Funds \$1,568,300

Other Sources \$0

Total Project Budget \$1,568,300

Scope: More than 4,000 linear feet of steam lines across the campus leak and are poorly insulated. This project will replace deteriorated lines, pressure relief valves, safety valves, and inadequate manholes.

Designer: Sud Associates, Durham, NC

Mitchell Drive East- Phase

Mitchell Drive West – Phase

Construction Type/Contractor(s): Single-prime
General Contractor: Quality Mechanical, Burlington, NC

Construction Type/Contractor(s): Single-prime
East Coast Mechanical, Lumberton, NC

Status and Next Major Milestone: Construction is currently at 80%. Anticipate completion November 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/2/01	8/14/02										
Construction	8/15/02	11/25/03										
Finish	11/25/03	11/25/03					★ 11/25					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$19,040	\$196,590	\$0	\$215,630	\$956,146	2.0%	20.6%	0.0%	22.6%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina A&T State University

Technology Infrastructure Expansion

Bond Funds \$2,921,700

Other Sources \$0

Total Project Budget \$2,921,700

Scope: This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

Designer: In-house

Construction Type/Contractor(s): Not Applicable
(Equipment purchases primarily to date.)

Status and Next Major Milestone: Phase I construction complete. Phase II is currently in Schematic Design production. Anticipate submission of SD package in August 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	6/3/02	7/15/03										
Construction	10/15/02	8/26/03										
Finish	8/25/03	8/25/03										

HUB Participation:(Phase I Only)

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$148,705	\$0	\$0	\$148,705	\$513,694	29.0%	0.0%	0.0%	28.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Bond Program

North Carolina A&T State University

Three Classroom Buildings (Dudley, Gibbs, and Moore) - Comprehensive Renovation

Bond Funds \$4,797,100

Other Sources \$0

Total Project Budget \$4,797,100

Scope: Fire safety problems, Americans with Disabilities Act deficiencies, and structural failures in these three academic buildings will be corrected. Ventilation, heating, air conditioning, and electrical improvements will enhance the learning and instructional environment for students and faculty.

Designer: Sud Associates, Durham, NC

Construction Type/Contractor(s): Multi-prime

Window Replacement: Brooks General Construction, Greensboro, NC

General Contractor: Progressive Contracting, Inc., Sanford, NC

Electrical: BECO, Greensboro, NC

Mechanical: PI Mechanical, Greensboro, NC

Plumbing: PI Mechanical, Greensboro, NC

Status and Next Major Milestone: Dudley construction complete. Design for Gibbs and Moore is at CD review and expect approval at end of April 2003. Scheduled to start construction of Moore August 2003 and construction of Gibbs December 2004.

Schedule:

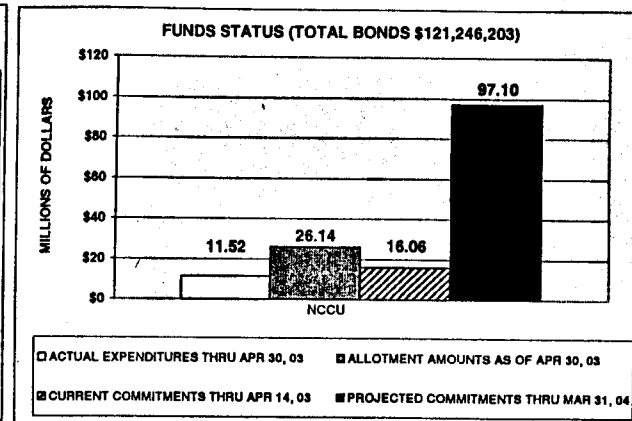
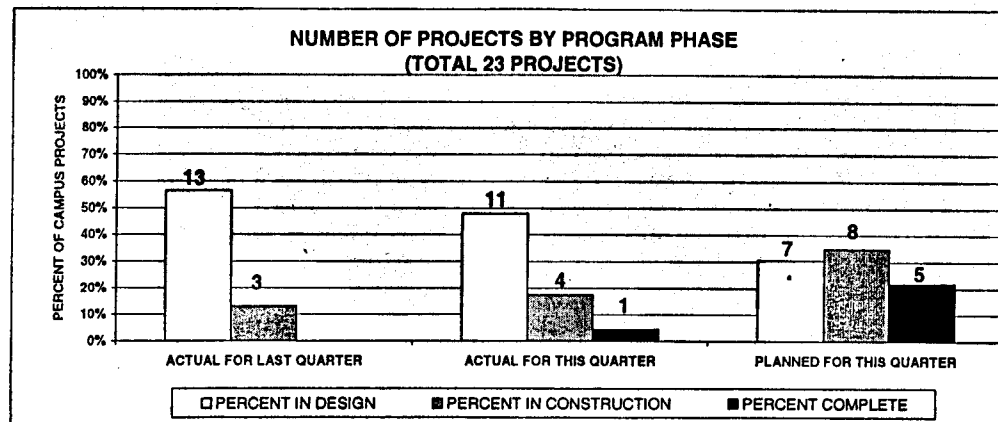
C Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	11/9/00	12/21/04										
# Construction	10/22/01	6/23/06										
# Finish	6/23/06	6/23/06					☆		★ 6/23			

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$10,466	\$46,683	\$0	\$57,149	\$989,736	1.1%	4.7%	0.0%	5.8%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Bond Program



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Baynes Residence Hall - Replacement	\$15,091,100		\$15,091,100		CM at Risk					
B. N. Duke Auditorium Renovation and Addition	\$740,000	\$2,862,500	\$3,602,500	\$1,545,530	\$1,545,200	\$330	3.4%	6.9%	0.0%	10.3%
Campus Infrastructure Improvements *	\$10,263,800		\$10,263,800							
Master Plan			\$135,000							
Steam Line (Phases 12,14,16)			\$2,671,410		\$341,163		0.7%	0.0%	0.0%	0.7%
Landscape (Phases 2,6,9)			\$380,000		\$4,850		0.0%	0.0%	0.0%	0.0%
Signage (Phases 3,7,10)			\$166,250	\$103,766	\$103,766	\$0	0.0%	0.0%	0.0%	0.0%
Electrical System (Phases 5,13,15)			\$5,109,022		\$48,343		0.0%	0.0%	0.0%	0.0%
Design, Contingency, Equipment, etc.			\$1,802,118							
			\$10,263,800							
McLean Residence Hall - Comprehensive Renovation	\$305,800	\$2,100,000	\$2,405,800	\$2,039,473	\$2,378,595	-\$339,122	8.6%	3.6%	0.0%	12.2%
Science Complex - Replacement of Robinson, Hubbard, and Lee Science Buildings *	\$36,780,000		\$36,780,000		CM at Risk					
Demolition of Old Hillside High School			\$1,465,983		\$1,465,983		100.0%	0.0%	0.0%	100.0%
Construction			\$31,288,161							
Design, Contingency, Equipment, etc.			\$4,025,856							
			\$36,780,000							
Shepard Residence Hall - Comprehensive Renovation	\$4,357,800	\$2,663,395	\$7,021,195	\$3,900,000	\$7,021,195	-\$3,121,195	53.3%	0.0%	0.0%	53.3%
TOTAL VARIANCES						-\$338,792				
TOTAL HUB DATA FOR INSTITUTION							38.9%	2.0%	0.0%	40.9%

North Carolina Central University

Institutional Summary

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or Completion later than date needed; design / construction 10%+ or behind)

Student Housing (Graduate) project schedule reflects more realistic construction duration. Completion changed to March 2004. Previously reported, bids opened, award pending.

Rush Hall schedule reflects the desire to expedite all residence hall projects. Currently ahead of schedule. Previously reported.

Eagleson Hall project escalated schedule reflects the continuing desire to expedite all residence hall projects and the adjustment of construction duration to a shorter, more realistic time frame. Designer has also been producing on an expedited schedule and kept on schedule. Previously reported.

McLean Residence Hall has been delayed as a result of a combination of subcontractor delays, primarily by the sprinkler and flooring subs, and by change orders, some of which have been necessitated by unforeseen building conditions. Previously reported, project completed.

Student Residence Halls Fire and Safety is being expedited in concert with the related residence hall projects. Previously reported.

Code Compliance project is currently behind schedule. Previously reported.

Technology Infrastructure Expansion project reflects expedited equipment purchases and installation. Previously reported.

Campus Infrastructure Improvements project delay resulted from delaying the electrical portion in order to assess service delivery options such as provisioning services directly via Duke Power and delaying the steam portion in order to assess system needs, determine appropriate scope, and prioritization based on available funding. Previously reported.

Land Acquisition is ahead of schedule as residence hall siting for Graduate Apartments and Baynes' replacement have precipitated expedited land acquisitions. In addition, taking advantage of procurement opportunities as they have arisen has further expedited this activity. Previously reported.

Shepard Residence Hall Renovation was delayed because of resequencing the start to occur after the completion of McLean Hall. Previously reported, construction contract awarded.

Alexander Dunn Building Renovation was delayed until swing space could be identified and be made available resulting in a resequence of the schedule. Previously reported.

B.N. Duke Auditorium was delayed until after fall semester orientation was complete and the auditorium could be taken out of service in order to begin construction. Previously reported.

Science Complex (Replacement of Robinson) is behind schedule because the rezoning process for the land is taking longer than originally planned.

Baynes Residence Hall is behind schedule because the rezoning process for the land is taking longer than originally planned.

Latham Residence Hall is behind schedule due to tight housing requirements by the University. The new construction schedule had to be phased to allow work to commence while it's still being occupied.

Pearson Cafeteria is behind schedule because of an official change in scope. The new cafeteria will now be expanded causing a new redesign and a new schedule.

Turner Law School is behind schedule because new non bond scope was added to the project. This requires additional design and pushes out the completion date.

Shepard Library is behind schedule because the environmental study found more asbestos than originally planned. This has caused a budget crisis which has put the project on hold until scope is revised. can be approved.

Old Senior Dorm is behind schedule because an official change in scope is still pending. It is likely that this project will be abandoned once Pearson Cafeteria addition is approved. Project currently on hold pending both approvals.

Renovation of Existing Space for Public Safety is behind schedule because of a longer than expected CD approval process and because it had to be bid twice before awarding the construction contract.

Health & Safety Repairs and Renovations is behind schedule because the CD package required a 2nd submittal to the State Construction office. This added time to the approval process.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

North Carolina Central University

B.N. Duke Auditorium – Addition and Renovation

Bond Funds	\$740,000
Other Appropriations	\$2,862,500
Other Sources	\$0
Total Project Budget	\$3,602,500

Scope: Bond Funding reflects restoration of funds redirected to Hurricane Floyd recovery efforts and makes up a portion of the total project funding to renovate and complete an addition to the existing auditorium. This facility, used for performances and convocations, will be upgraded for ADA compliance and have finishes restored.

Designer: Freelon Group, Durham, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Patriot Building Company, Hillsborough, NC

Status and Next Major Milestone: Construction in progress at 18% complete. Scheduled to complete August 2003

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	3/1/02	8/7/02										
Construction	8/6/02	8/18/03										
Finish	8/7/03	8/7/03										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$52,250	\$106,350	\$0	\$158,600	\$1,535,100	3.4%	6.9%	0.0%	10.3%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Bond Program

North Carolina Central University

Campus Infrastructure Improvements

Bond Funds \$10,263,800

Other Sources \$0

Total Project Budget \$10,263,800

Scope: These infrastructure improvements include replacement of the campus primary electrical distribution system, building transformers and switchgear, and the underground steam distribution and condensate return system, and extension of the campus power grid to service the new Science Complex.

Project Phase: Electrical
Designer: Stanford White Assoc., Raleigh NC

Construction Type/Contractor: Single-prime
Electrical Contractor: Woodell Electric Co.

Project Phase: Landscape (Phases 2,6,9)
Designer: Susan Hatchell Landscape, Raleigh, NC

Construction Type/Contractor: Single-prime
General Contractor: Redmill Landscape, Durham, NC

Project Phase: Signage (Phases 3, 7,10)
Designer: White Assoc., Raleigh, NC
Construction Type/Contractor: Single-prime
General Contractor: Signature Inc., Thomasville, NC

Project Phase: Steam Line (Phases 12,14,16)
Designer: Clark-Nexsen, Charlotte, NC
Construction Type/Contractor:
General Contractor:

Status and Next Major Milestone: Master Plan completed with 5 phases planned. Urgent repairs have been made to some utilities. Currently Steam Lines in CD production, CD reviews to start April 2003. Electrical Infrastructure Improvements design complete and in the bidding phase, construction to start September 2003. Phase 3 streetscapes on hold. Phase 4 Signage has construction at 100% complete. Phase 5 Landscape currently in the bidding phase. Anticipate construction to start July 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/20/00	9/9/03										
Construction	2/13/02	8/5/05										
Finish	8/5/05	8/5/05						☆	★ 8/5			

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$2,243	\$0	\$0	\$2,243	\$498,122	0.5%	0.0%	0.0%	0.5%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina Central University

McLean Residence Hall – Comprehensive Renovation

Bond Funds \$305,800

Other Sources \$2,619,200

Total Project Budget \$2,925,000

COMPLETED

Scope: This project will renovate a 78-bed residence hall built in 1937. The scope of work includes installation of fire sprinklers, an elevator, upgraded electric systems, and a central air conditioning system; window replacement; restroom rehabilitation; abatement of lead and asbestos containing building materials; renewal of architectural finishes and information technology. The bond funds supplements \$1.9 million in other R&R work.

Designer: Stantec (formerly DS Atlantic Corp.), Raleigh, NC

Construction Type/Contractor(s): Multi-prime

General Contractor: Patriot Building Company, Hillsborough, NC

Electrical: Pendergraph Electric, Inc., Durham, NC

Plumbing: ACME Plumbing & Heating, Raleigh, NC

HVAC: Burlington Mechanical Contracting, Inc., Burlington, NC

Status and Next Major Milestone: Construction is 100% complete. Project finished 5 months late and on budget.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	12/18/00	9/21/01										
Construction	9/24/01	11/18/02										
Finish	11/18/02	11/18/02				☆						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$205,089	\$85,992	\$0	\$291,081	\$2,378,595	8.6%	3.6%	0.0%	12.2%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Bond Program

North Carolina Central University

Science Complex – Replacement of Robinson, Hubbard, and Lee Science Buildings

Bond Funds \$36,780,000

Other Sources \$0

Total Project Budget \$36,780,000

Scope: This new science complex will replace three outdated science buildings (Robinson, Hubbard, and Lee buildings) that will be renovated later for other academic uses. The new science complex -- laboratories with modern equipment, classrooms, and faculty offices -- will be built on the site of the old Hillside High School, which will be demolished.

Designer: Freelon Group, Durham, NC

Construction Type/Contractor(s): CM at Risk

Construction Manager: Centex Construction Company, Charlotte, NC

Status and Next Major Milestone: Asbestos Abatement is complete and demolition is 95% complete as part of a preliminary site preparation package. Site work anticipated to start July 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/20/00	12/12/03										
Construction	12/16/02	1/1/05										
Finish	1/1/05	1/1/05					☆ ★ 1/1					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$1,465,983	\$0	\$0	\$1,465,983	\$1,465,983	100%	0.0%	0.0%	100%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina Central University

Shepard Residence Hall – Comprehensive Renovation

Bond Funds \$4,357,800

Other Sources \$2,669,195

Total Project Budget \$7,026,995

Scope: This 154-bed residence hall built in 1930 will be renovated with the installation of fire sprinklers, an elevator, upgraded electric systems, and central air conditioning; window replacement; restroom rehabilitation; abatement of lead and asbestos containing building materials; and renewal of architectural finishes.

Designer: Clark-Nexsen, Charlotte, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Wild Building Company, Morristown, TN

Status and Next Major Milestone: Project has bid and been awarded. Construction anticipated to start May 2003.

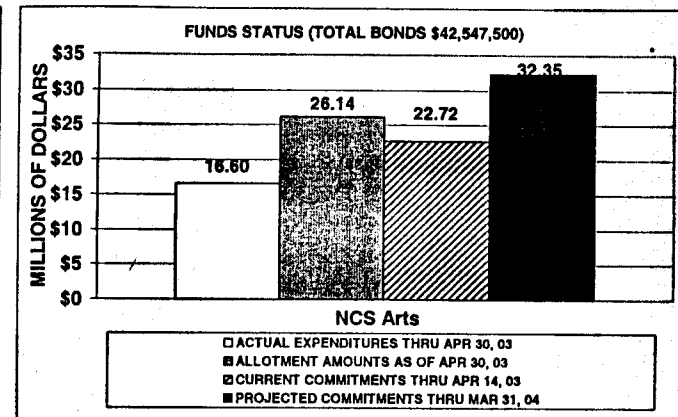
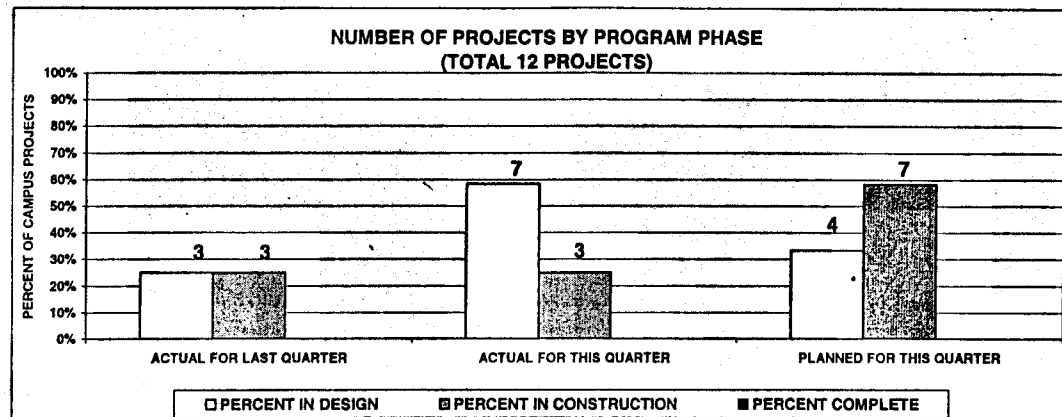
Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	12/18/00	4/28/03										
Construction	4/29/03	12/21/04										
Finish	12/21/04	12/21/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$2,078,694	\$0	\$0	\$2,078,694	\$3,900,000	53.3%	0.0%	0.0%	53.3%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Basic Performance & Education Complex	\$19,130,700		\$19,130,700	\$12,400,000	\$12,928,226	-\$528,226	1.7%	2.5%	0.0%	4.2%
Basic Performance & Education Complex Phase I			\$12,400,000							
Basic Performance and Education Complex Phase II			\$3,317,619							
Design, Contingency, Equip., etc.			\$3,413,081							
			\$19,130,700							
Film Archives	\$2,250,000		\$2,250,000	\$1,908,000	\$1,619,600	\$288,400	1.7%	15.9%	0.0%	17.6%
Stevens Center - Comprehensive Modernization and Major Renovations	\$4,434,500		\$4,434,500	\$3,564,978	\$3,447,000	\$117,978	3.1%	0.3%	0.0%	3.4%
TOTAL VARIANCES						-\$121,848				
TOTAL HUB DATA FOR INSTITUTION							2.0%	3.3%	0.0%	5.2%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings.
In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or Completion later than date needed; design / construction 10%+ or behind)

Residence Hall project delay attributed to evaluation necessary to determine scope associated with high school connector strategy. Previously reported.

Film Archives Building project delay was the result of extended review time required and the additional design effort required at the Design Development stage to ensure project would meet budget.
Previously reported...

Student Services Support Complex project delay resulted when utility infrastructure in the project area was determined to be in need of repair/upgrade to support the project. Additional funding was transferred from other Bond Project savings. Previously reported, bid opening scheduled in May.

North Carolina School of the Arts

Institutional Summary

Workplace Bldg #2, Crawford Hall & Recital Hall, Gray Classroom Building, Renovation of DeMille Theatre. The apparent delays in these projects reflect the refinement of schedules to more accurately portray the schedule impact of program needs, particularly swing space as these projects involve inter-related moves. This modifies all of the schedules to occur at the same time and pushes the completion of of Crawford Hall, Gray Hall & DeMille past the baseline finish. Previously reported.

Basic Performance & Education Complex is behind schedule because of added scope and the extra design time to complete those changes. Phase 2 construction will now take longer than originally planned because of the added scope.

Dance Costume Shop is behind baseline schedule because the construction was delayed until the finish of Film Archive Building. Once Film Library moves out of Dance Costume Shop into the new Film Archive Building, the Dance Costume Shop will be freed-up for project work.

BUDGET EXCEPTIONS: None

North Carolina School of the Arts

Basic Performance and Education Complex

Bond Funds \$19,130,700

Other Sources \$0

Total Project Budget \$19,130,700

Scope: The complex will provide a chamber music hall, drama rehearsal rooms, dance studios, new classroom labs, and a high school connector building. The project also includes office space for faculty, expansion of costume design classrooms and storage facility, and renovation of school studios.

Designer: Calloway Johnson Moore & West, Winston-Salem, NC

Construction Type/Contractor(s): Multi-prime

Phase I: Under Construction

General Contractor: John S. Clark Co., Inc., Mount Airy, NC

Electrical: Salem Electric Co., Inc., Winston-Salem, NC

Plumbing: Quality Mechanical Contractors, LLC, Burlington, NC

HVAC: Holcomb Brothers, Inc., Elkin, NC

Status and Next Major Milestone: Currently approximately 85% through 21 month construction duration for Phase I. Anticipate completion July 2003. Phase II design scheduled to commence January 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	12/7/00	5/31/04										
Construction	10/16/01	6/28/04										
Finish	6/28/04	6/28/04					★ 6/28					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$214,440	\$329,389	\$0	\$543,829	\$12,931,821	1.7%	2.6%	0.0%	4.2%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Bond Program

North Carolina School of the Arts

Film Archives Building

Bond Funds \$2,250,000

Other Sources \$0

Total Project Budget \$2,250,000

Scope: The School of the Arts has assembled, through acquisitions and gifts, the largest film collection, outside the Library of Congress, in the world. The collection has films from the best movies made and is the envy of every film school in the world. The films currently are stored in unsuitable warehouse space. To ensure preservation of this important state cultural asset, the films must be stored in temperature and humidity-controlled space.

Designer: Calloway Johnson Moore & West, Winston-Salem, NC

Construction Type/Contractor(s): Single-prime

General Contractor: R.K. Stewart & Son, Inc., High Point, NC

Status and Next Major Milestone: Construction in progress at 10% complete. Scheduled to complete December 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	3/21/01	10/9/02										
Construction	10/10/02	12/4/03										
Finish	12/4/03	12/4/03										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$28,064	\$257,532	\$0	\$285,596	\$1,619,600	1.7%	15.9%	0.0%	17.6%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina School of the Arts

Stevens Center – Comprehensive Modernization and Major Renovations

Bond Funds \$4,434,500

Other Sources \$0

Total Project Budget \$4,434,500

Scope: The Stevens Center is a state-owned, 10-story building in downtown Winston-Salem used by the school for productions of drama theatricals, dance, and musical performances. In their current condition, the upper five upper floors are completely unusable and uninhabitable for any purpose. When renovated, the upper floors will be used to expand the Community Music Outreach Program, and storage facilities.

Designer: Price Newman Payne Architects, Greensboro, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Beers Skanska, Inc., Winston Salem, NC

Status and Next Major Milestone: Construction phase nearly done at 95% complete. Anticipated completion is May 2003.

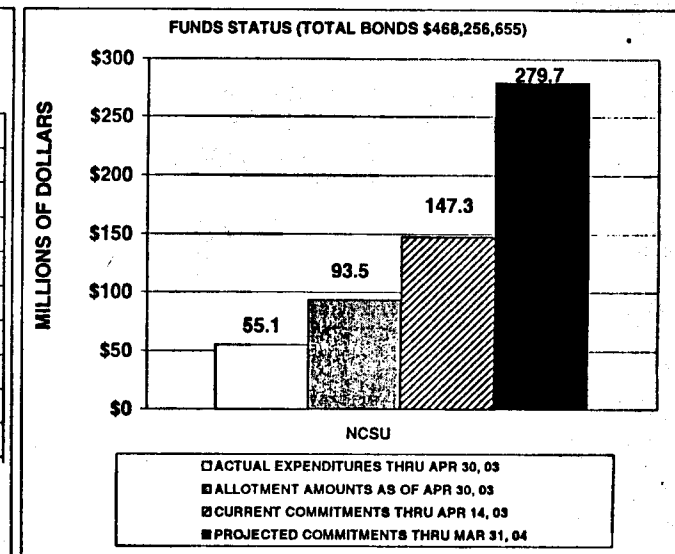
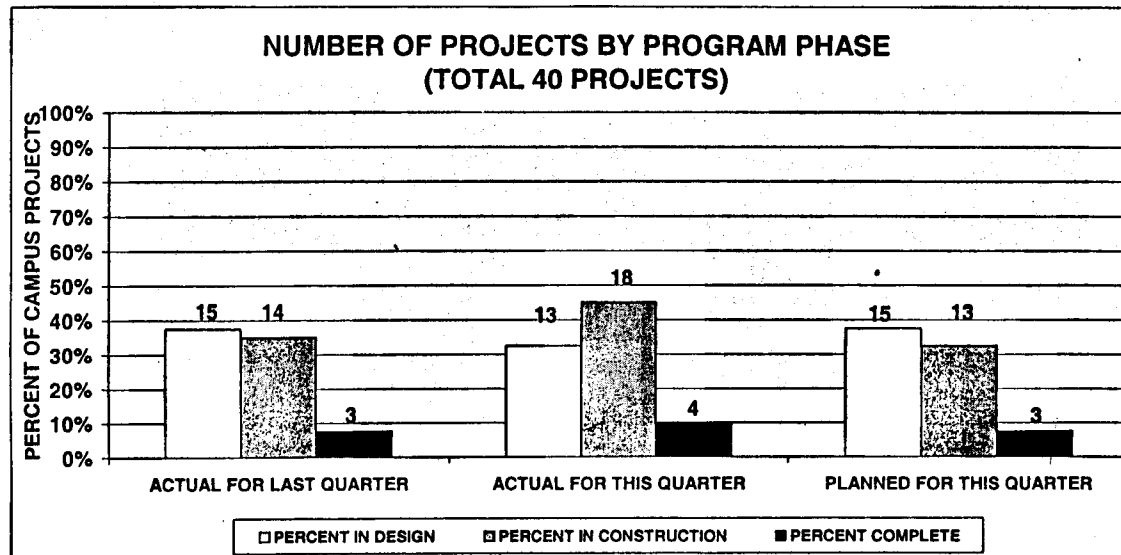
Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/15/00	7/11/02										
Construction	7/12/02	5/1/03										
Finish	5/1/03	5/1/03										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$120,154	\$11,226	\$0	\$131,380	\$3,846,908	3.1%	0.3%	0.0%	3.4%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.



PROJECTS BID TO DATE								HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*		AFR. AM.	WBE%	OTHER%	TOTAL
Centennial Campus Infrastructure**	\$16,704,518	\$890,189	\$17,594,707	\$14,845,000	\$13,086,500	\$1,758,500		3.0%	5.7%	0.0%	8.7%
Chilled Water Central Plant - North Campus **	\$41,769,000	\$1,970,585	\$43,739,585								
Phase I - Cates Chilled Water Expansion			\$3,000,000	\$3,248,000	\$2,499,695	\$748,305		41.8%	9.8%	0.0%	51.6%
Phase II - Yarbrough Plant			\$20,620,388								
Outer Phases - Chilled Water Plant			\$14,964,317								
Sullivan Dr./Shops Replacement Building			\$1,374,960	\$1,324,833	\$1,374,960	-\$50,127		0.0%	0.0%	0.0%	0.0%
Design, Contingency, Equip., etc.			\$3,779,920								
			\$43,739,585								
Clark Hall - Conversion from Infirmary to Student and Faculty Support Services ***	\$2,410,000		\$2,410,000	\$1,430,709	\$1,336,639	\$94,070		1.5%	2.3%	0.0%	3.8%
Upper Floor Phase			\$1,336,639	N/A	\$524,487						
Demolition Prep for Upper Floor			\$524,487								
Design, Contingency, Equip., etc.			\$548,874								
			\$2,410,000								

North Carolina State University

Institutional Summary

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
1911 Classroom Building - Comprehensive Renovation *	\$6,852,000		\$6,852,000							
1911 Bldg Elevator Addition			\$232,310	\$429,320	\$232,310	\$197,010	1.5%	9.3%	4.1%	14.9%
Building Renovation			\$6,042,490							
Design, Contingency, Equipment, etc.			\$577,200							
			\$6,852,000							
David Clark Labs and Undergraduate Science Teaching Lab Phase II **	\$24,632,800		\$24,632,800		CM at Risk					
College of Engineering Complex - Phase I **	\$39,884,898	\$1,800,000	\$41,684,898	\$1,000,200	\$549,499	\$450,701	0.0%	3.6%	0.0%	3.6%
Preliminary Grading			\$688,150	\$29,927,983	\$25,359,100	\$4,568,883	1.6%	19.9%	0.0%	21.4%
Phase I Building Project			\$29,000,000							
West Research Annex Building			\$1,500,000							
Design, Contingency, Equip., etc.			\$10,496,748							
			\$41,684,898							
College of Engineering Complex - Phase II**	\$34,281,412	\$8,000,000	\$42,281,412		CM at Risk					
College of Veterinary Medicine Infrastructure Upgrades**	\$18,090,913	\$261,000	\$18,351,913	\$14,419,240	\$15,787,930	-\$1,368,690	Pending award of bid packages			
College of Veterinary Medicine Research Addition**	\$20,384,000	\$15,920,550	\$36,304,550	\$28,887,569	\$28,818,998	\$68,571	Pending award of bid packages			
Field Research Laboratories and Outlying Research Facilities - Phase I *	\$2,500,000	\$8,941,990	\$11,441,990		\$ 7,671,453		0.3%	0.6%	0.0%	1.0%
Tyrrell County			\$ 7,700,000							
Group Lodge			\$ 300,000							
Other Phases			\$ 2,500,000							
Design, Contingency, Equip., etc.			\$ 841,990							
			\$ 11,441,990							
Horticulture Classroom at Arboretum Education Center	\$500,000	\$3,713,957	\$4,213,957	\$3,595,150	\$3,423,950	\$171,200	0.5%	9.0%	0.0%	9.5%
Jordan Hall Addition	\$13,153,300		\$13,153,300		CM at Risk					
Lake Wheeler Rd Field Lab - Beef Educational Unit (Land Acquisition funds)	\$1,350,000	\$150,000	\$1,500,000	\$1,148,000	\$1,331,963	-\$183,963	5.2%	0.0%	0.0%	5.2%
Main Campus Infrastructure (Including Water System) **	\$7,723,475		\$7,723,475	\$308,925	\$138,825	\$170,100	0.0%	0.0%	0.0%	0.0%
Univ. Wayfinding & Univ. Signage			\$2,369,875							
Pedestrian Tunnel			\$2,900,000							
Backflow Preventers - Phases 1 and 2			\$2,083,525							
Design, Contingency, Equip., etc.			\$370,075							
			\$7,723,475							

Last Updated 5/12/2003

UNC Bond Program

North Carolina State University

Institutional Summary

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Public Safety Facility *	\$4,704,000		\$4,704,000							
Public Safety Office (Including Programming)			\$2,295,000	\$3,079,120	\$2,537,300	\$541,820	4.6%	7.7%	0.0%	12.3%
Varsity Dr. Widening and Intersection Design, Contingency, Equip., etc.			\$300,000							
			\$2,109,000							
			\$4,704,000							
Research and Teaching Feed Mill	\$2,582,000	\$288,200	\$2,870,200	\$2,257,235	\$1,805,111	\$452,124	2.2%	3.2%	0.0%	5.4%
Research Lab Space - Phase I **	\$16,373,582	\$14,375,700	\$30,749,282							
Flex Lab Building (Design/Build)			\$5,622,944	\$5,030,000	\$4,840,000	\$190,000	2.2%	7.7%	0.0%	9.9%
Partners III			\$17,012,510	\$19,757,309	\$17,012,510	\$2,744,799	0.7%	17.3%	0.0%	18.0%
Broughton Hall			\$1,500,000							
Design, Contingency, Equip., etc.			\$6,613,828							
			\$30,749,282							
Riddick Laboratories**	\$25,860,900		\$25,860,900		CM at Risk					
Steam Distribution & Capacity Improvements *	\$3,244,100	\$48,050	\$3,292,150							
Campus Steam Assessment			\$698,011							
Sullivan Dr. Steam Distribution			\$2,318,913	\$1,393,018	\$698,011	\$695,007	2.1%	5.5%	2.4%	10.0%
Design, Contingency, Equip., etc.			\$275,226							
			\$3,292,150							
Technology Infrastructure *	\$2,424,100		\$2,424,100							
Scott Hall Telecomm Closets			\$20,000	N/A	\$17,824		0.0%	0.0%	0.0%	0.0%
Other Phases			\$2,401,600							
Design, Contingency, Equip., etc.			\$2,500							
			\$2,424,100							
Undergraduate Science Teaching Labs - Phase I **	\$37,272,190	\$3,594,521	\$40,866,711							
Greenhouses			\$6,000,000	\$5,200,751	\$3,889,540	\$1,311,211	0.4%	8.6%	0.0%	9.0%
Main Building			\$21,000,000	\$20,620,930	\$16,614,600	\$4,006,330	4.7%	8.5%	0.0%	13.2%
Coliseum Parking Deck			\$10,000,000	\$9,636,204	\$6,868,671	\$2,767,533	4.7%	2.4%	0.0%	7.0%
Design, Contingency, Equip., etc.			\$3,866,711							
			\$40,866,711							
TOTAL VARIANCES						\$19,333,384				
TOTAL HUB DATA FOR INSTITUTION							3.0%	10.5%	0.0%	13.5%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding contributions may be reduced.

**Bond funding shown reflects transfers between bond projects.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or Completion later than date needed; design / construction 10%+ or behind)

David Clark Labs and Undergraduate Science Teaching Lab Phase II schedules have been expedited as a result of combining from two phases to one. This was facilitated by the availability of swing space from the Flex Lab Bldg. Project, being delivered under the design/build construction delivery method. Previously reported.

South Gardner Hall entered the designer selection phase early. The schedule acceleration will allow for enhanced planning of the rehabilitation work to accommodate building occupants. Previously reported.

North Carolina State University

Jordan Hall schedule has been expedited. Previously reported.

Steam Distribution and Capacity was delayed as a result of redesign necessitated by conflicts with a future parking deck. Previously reported, schedule is recovering.

Land Acquisition - All but \$500,000 is under contract.

Library Addition - Master Planning and preprogramming have delayed design phase.

Research Lab Space Phase I is ahead of schedule as a result of opportunities to begin several phases earlier than planned. Previously reported.

Leazar Hall Building is behind schedule because the master planning and programming took longer than anticipated.

Chilled Water Plant North Campus is ahead of schedule because Phase 1 (Cates Chilled Water Expansion) finished ahead of schedule.

BUDGET EXCEPTIONS: (Criteria: A current project deviates 5% +/- from the budget.)

Meat Processing Lab - Budget has been revised to reflect project reconfiguration from a stand-alone facility to a combination of a complex at Lake Wheeler Field Laboratory in concert with an upgrade of the existing meat processing pilot plant in Schaub Hall. Legislation has passed approving the change.

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

Independent Design Assessment (IDA) has been used to facilitate the timely review and approval of plans through State review processes. Under this practice, independent designers with expertise in code compliance are contracted to review plans and provide a written report along with the submitted plans to the State review agencies. The independent analysis supports the State agency in an expedited review and approval process.

The CM at Risk construction delivery method has provided an opportunity to test construction methods prior to construction on the David Clark Laboratory renovation project.

A list of exploratory items inside the existing building is being developed by the construction manager and the architect. When finalized, the contractor will physically remove column covers, etc. to expose existing construction. Excavation will be performed to expose the existing footings. The location and configurations of the elements uncovered will be used in the design of the construction documents.

This will allow any conflict to be resolved prior to beginning construction rather than disrupting construction once it is underway.

A Historically Underutilized Business (HUB) Advisory Committee has been formed with broad representation. This group has proven a valuable resource in assisting in structuring packages for CM at Risk to increase opportunities for minority participation. NC State University Facilities Division in conjunction with Bovis Lend Lease and Centex Construction Company sponsored a series of seminars for small contractors. Seminar topics included prequalification process, estimating and bid preparation, bonding and insurance, effective business planning, certification, licensing and financing, and safety programs and implementation. In addition, in conjunction with the Civil Engineering Department, a two day estimating seminar was recently conducted for HUB contractors. This two-day seminar involved classroom instruction, a project estimating exercise and computer training. This seminar attracted 94 contractors.

North Carolina State University

1911 Classroom Building – Comprehensive Renovation

Bond Funds \$6,852,000

Other Sources \$0

Total Project Budget \$6,852,000

Scope: The interior (45,000 square feet) of this building will be reconstructed to provide undergraduate classrooms and faculty office space. The renovation addresses code deficiencies, handicap accessibility, installs central HVAC system, and provides independent electrical service.

Designer: Davis Kane Architects, Raleigh, NC

Construction Type/Contractor(s):

Status and Next Major Milestone: Elevator addition is 55% complete, anticipate June 2003 completion. Building Renovation is scheduled to start Designer Advertise in December 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	5/24/02	10/25/06										
# Construction	1/8/03	10/23/08										
# Finish	10/23/08	10/23/08										★ 10/23

HUB Participation: (Elevator Only)

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$3,550	\$21,640	\$9,500	\$34,690	\$232,310	1.5%	9.3%	4.1%	14.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

Centennial Campus - Infrastructure

Bond Funds **\$16,704,518**

Other Sources **\$890,189**

Total Project Budget **\$17,594,707**

Scope: The central chiller plant, steam plant, related distribution systems, and the electrical substation will be upgraded to support proposed development.

Designer: Affiliated Engineers, Raleigh, NC

Construction Type/Contractor(s): Single-prime

General Contractor: D.S. Atlantic Contracting, Inc., Winston-Salem, NC

Status and Next Major Milestone: Construction underway with a 16-month duration, approximately 45% complete.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	3/19/01	8/20/02										
Construction	8/21/02	2/5/04										
Finish	2/5/04	2/5/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$387,000	\$745,200	\$0	\$1,132,200	\$13,086,500	3.0%	5.7%	0.0%	8.7%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

Chilled Water Central Plant - North Campus

Bond Funds \$41,769,000

Other Sources \$1,970,585

Total Project Budget \$43,739,585

Scope: This project includes \$12,285,000 for expansion of Cates Avenue Chilled water plant and \$29,484,000 for completion of the North Campus chiller service, including construction of a North Campus chilled water plant.

Sullivan Drive Replacement Building

Designer: RMF Engineering, Raleigh, NC

Ramsey Burgin Smith Architects, Raleigh, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Acorn Industrial, Inc., Raleigh, NC

Construction Type/Contractor(s): Single-prime
Polovick Construction, Raleigh, NC

Status and Next Major Milestone: Phase 1 Cates construction 100% complete. Phase 2 Yarbrough has finished CD production and currently in CD review, CD review approval anticipated July 2003. Phase 3a Cates Distribution is currently in CD production. Phase 3b Cates Plant Addition has finished programming and in schematic design, with SD design at 95% complete. Sullivan Dr./Replacement Shops under construction.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	12/7/00	7/8/04										
Construction	2/22/02	1/6/06										
Finish	1/6/06	1/6/06										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$1,066,269	\$249,000	\$0	\$1,315,269	\$5,803,428	18.4%	4.3%	0.0	22.7%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

Clark Hall – Conversion from Infirmary to Student and Faculty Support Services

Bond Funds \$2,410,000

Other Sources \$5,000

Total Project Budget \$2,415,000

COMPLETED

Scope: Formerly infirmary space, floors 2, 3, and 4 of Clark Hall will be renovated for use by faculty and student support programs.

Designer: Gantt Huberman Architects, Charlotte, NC

Construction Type/Contractor(s): Multi – prime

Upper Floor Phase

General Contractor: Spec Con, Wendell, NC

Electrical: Autry Electric, Raleigh, NC

Mechanical: Southern Piping, Wilson, NC

Plumbing: CT Plumbing, Durham, NC

Status and Next Major Milestone: Construction completed on January 20, 2003, two (2) months ahead of baseline schedule and under budget.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	1/5/01	3/25/02										
Construction	3/26/02	1/20/03										
Finish	1/20/03	1/20/03										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$22,050	\$32,720	\$0	\$54,770	\$1,537,617	1.4%	2.1%	0.0%	3.5%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

College of Engineering Complex - Phase I

Bond Funds \$39,884,898
Other Appropriations \$1,800,000

Other Sources \$0

Total Project Budget \$41,684,898

Scope: Construction of this 132,000-square-foot general academic building provides additional research, teaching classroom, laboratory, and open laboratory space for the College of Engineering at Centennial Campus. The departments of Chemical Engineering and Material Science and Engineering will be relocated to the facility.

Designer: Nix Mann Shive Perkins & Will, Charlotte, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Shelco, Inc., Raleigh, NC

Status and Next Major Milestone: Currently in construction at 30% complete. Anticipate completion May 2004

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/13/00	9/26/02										
Construction	9/27/02	5/18/04										
Finish	5/18/04	5/18/04					★5/18					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$400,185	\$5,059,103	\$0	\$5,459,288	\$26,047,249	1.5%	19.4%	0.0%	20.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

College of Veterinary Medicine - Research Addition and Renovation of Laboratories and Academic Space

Bond Funds \$20,364,000

Other Sources \$15,920,550

Total Project Budget \$36,284,550

Scope: This project provides 70,000 square feet of research laboratory space on the College of Veterinary Medicine campus as part of a strategy to reduce the current deficit of research space on campus.

Designer: FLAD & Associates, Research Triangle Park, NC

Construction Type/Contractor(s): CM at Risk

Construction Manager: Bovis Lend Lease, Inc., Raleigh, NC

Status and Next Major Milestone: Currently 10% complete with construction. Anticipate completion March 2005.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	7/3/00	12/16/02										
Construction	12/17/02	3/16/05										
Finish	3/16/05	3/16/05										

HUB Participation: (Site Work Only)

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$95,132	\$49,600	\$0	\$144,732	\$709,117	13.4%	7.0%	0.0%	20.4%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

College of Veterinary Medicine - Infrastructure

Bond Funds \$18,090,913

Other Sources \$261,000

Total Project Budget \$18,351,913

Scope: This project will provide roads, water and sewer, steam distribution, chilled water, and storm water systems for the university and research partnership buildings.

Designer: RMF Engineering, Raleigh, NC

Construction Type/Contractor(s): CM at Risk

Construction Manager: Bovis Lend Lease, Inc., Raleigh, NC

Status and Next Major Milestone: Currently 10% complete with construction. Anticipate completion March 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	1/11/01	2/28/03										
Construction	3/3/03	3/1/04										
Finish	3/1/04	3/1/04										

HUB Participation: (Pending award of bid packages)

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$0	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

Field Research Laboratories and Outlying Research Facilities - Phase I

Bond Funds	\$2,500,000
Other Sources	\$8,941,990
Total Project Budget	\$11,441,990

Scope: This project includes facilities improvements and upgrades at off-site locations and the Mountain Horticulture Crops Station at Fletcher.

Designer: Hagersmith Design, PA, Raleigh, NC

Construction Type/Contractor(s): Single - prime

Tyrrell County 4H Center

General Contractor: Virtexco, Norfolk, VA

Status and Next Major Milestone: Phase 1, 2, 3 & 4 were to have design started according to baseline. Phase 5 - Environmental Education Center construction is 100% complete

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	5/14/01	8/27/02										
Construction	1/2/01	8/11/04										
Finish	8/11/04	8/11/04					★ 8/11					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$23,840	\$49,100	\$0	\$72,940	\$7,671,453	0.3%	0.6%	0.0%	1.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

Horticulture Classroom at Arboretum Education Center

Bond Funds	\$500,000
Other Appropriations	\$87,000
Other Sources	\$3,626,957
Total Project Budget	\$4,213,957

COMPLETED

Scope: This phase included a teaching classroom for plant sciences and landscape design at the Arboretum's new 12,350-square-foot Education Center. The balance of the \$3.8 million required was funded by private gifts.

Designer: Cherry Huffman, Raleigh, NC

Construction Type/Contractor(s): Multi-prime

General Contractor: O'Connor & Taylor, Inc., Raleigh, NC

Electrical: KAD Construction Co., Raleigh, NC

Plumbing: Bolton Corp., Raleigh, NC

HVAC: Baker Mechanical, Inc., Wilson, NC

Status: Construction completed within budget and 4 months behind baseline schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Construction	1/2/01	8/16/02										
Finish	8/16/02	8/16/02			☆ ☆ 8/16							

HUB Participation: Flex Lab

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$18,570	\$316,830	\$0	\$335,400	\$3,521,642	0.5%	9.0%	0.0%	9.5%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

Jordan Hall Lab and Classroom Building - Addition

Bond Funds \$13,553,300

Other Sources \$0

Total Project Budget \$13,553,300

Scope: This new wing adds 40,000 square feet of classrooms, lecture halls, distance learning facilities, and class labs for the College of Natural Resources and the College of Physical and Mathematical Sciences. The project will help reduce the current deficit in the classroom and laboratory space.

Designer: NBBJ, Research Triangle Park, NC

Construction Type/Contractor(s): CM at Risk

Construction Manager: Gilbane, Laurel, MD

Status and Next Major Milestone: CM at Risk Project. Currently 30% through DD production. Anticipate submission of CD package for state agency's reviews May 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	6/20/01	2/9/04										
Construction	2/10/04	4/6/05										
Finish	4/6/05	4/6/05										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$0	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Bond Program

North Carolina State University

Lake Wheeler Rd Field Lab – Beef Educational Unit

Bond Funds \$1,350,000

Other Sources \$150,000

Total Project Budget \$1,500,000

COMPLETED

Scope: This 19,000 gross square foot facility supports teaching of beef cattle handling and reproduction by the Department of Animal Sciences.

Designer: Little & Associates, Charlotte, NC

Construction Type/Contractor(s): Single-prime

General Contractor: NC Monroe Construction, Greensboro, NC

Status: Completed on schedule. Project was also completed on budget.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	9/24/01	3/28/02										
Construction	4/8/02	12/4/02										
Finish	12/4/02	12/4/02				★ 12/4						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$68,600	\$0	\$0	\$68,600	\$1,317,390	5.2%	0.0%	0.0%	5.2%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Bond Program

North Carolina State University

Main Campus Infrastructure (including Water System)

Bond Funds \$7,723,475

Other Sources \$0

Total Project Budget \$7,723,475

Scope: This project will upgrade main campus infrastructure by installing building back flow devices to prevent water contamination and comply with building codes; campus pedestrian and vehicular signage; a pedestrian tunnel creating an accessible route from North to South Campus; and infrastructure for new facilities.

Designer: Jeffrey Corbin Design, Raleigh NC

Signage

Construction Type/Contractor(s): Single-prime

General Contractor: Blythe Development Company, Charlotte, NC

Status and Next Major Milestone: Wayfinding & Signage to start construction April 2003.
Pedestrian Tunnel has advertised for a designer and anticipate to select by May 2003.
Backflow Preventers is currently at DD review, anticipate CD production to start April 2003.
Domestic Water Upgrades is currently at DD review, anticipate CD production to start April 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	2/14/01	8/3/04										
Construction	12/22/03	8/3/05										
Finish	8/3/05	8/3/05						★ 8/3				

HUB Participation: (Wayfinding Only)

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$138,825	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

Public Safety Facility

Bond Funds \$4,704,000

Other Sources \$0

Total Project Budget \$4,704,000

Scope: Expanded use of the existing railroad right-of-way for a new Triangle Transit Authority station will require the existing Public Safety building to be demolished. This replacement facility will be easily accessible to the North Campus and Centennial Campus.

Designer: Moseley Harris and McClintock, Morrisville, NC

Construction Type/Contractor(s): Single-prime
General Contractor: D.H. Griffin, Raleigh, NC

Status and Next Major Milestone: Project has bid and been awarded. Construction anticipated to start May 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	12/1/00	5/22/03										
Construction	5/23/03	9/6/04										
Finish	9/6/04	9/6/04					★ 96					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$116,740	\$195,045	\$0	\$311,785	\$2,537,300	4.6%	7.7%	0.0%	12.3%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

Research and Teaching Feed Mill

Bond Funds \$2,582,000

Other Appropriations \$288,200

Total Project Budget \$2,870,200

COMPLETED

Scope: A new facility to house instructional feed mill, classroom, and laboratory.

Designer: Wagester & Lease, Inc.

Construction Type/Contractor(s): Multi-prime

General Contractor: Bordeaux Construction Company, Inc.

Electrical: Jones Inc. of Wilson

Mechanical: Southern Piping Company

Plumbing: ABC Plumbing Company, Inc.

Status: Construction completed within budget and 7 months behind baseline schedule.

Schedule:

C	Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
#	Design	1/21/01	6/29/01										
#	Construction	8/31/01	1/17/03										
#	Finish	1/17/03	1/17/03										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$41,200	\$58,543	\$0	\$99,743	\$1,840,929	2.2%	3.2%	0.0%	5.4%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

Research Laboratory Space - Phase I

Bond Funds \$13,200,000

Other Sources \$14,375,700

Total Project Budget \$27,575,700

Scope: Research Laboratory Space, Phase I multi-discipline research buildings. Four buildings to provide space to address the shortage of research space on campus. First building built will be Flex Research Building.

Designer: The Haskell Company, Raleigh, NC
Flex Lab Building Phase

Construction Type/Contractor(s): Design/Build
General Contractor: The Haskell Company, Raleigh, NC

Status and Next Major Milestone: Flex Lab Space completed 3/6/03. Partners III is underway, with 5% complete, on a 20-month construction schedule. West Research Annex is half way through design and anticipates start of construction at December 2003. Broughton Hall started design November 2002 and is at 14% through, expects to start construction November 2004.

Schedule:

Task Name	Start	Finish	1999	2000	2001	2002	2003	2004	2005	2006
# Research Lab Space - Phase	5/25/01	4/5/05								
# Design	5/25/01	11/4/04								
# Construction	5/1/02	4/5/05								
# Finish	4/5/05	4/5/05								

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$217,025	\$3,322,094	\$0	\$3,539,119	21,852,510	1.0%	15.2%	0.0%	16.2%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina State University

Steam Distribution & Capacity Improvements (Sullivan Drive Area)

Bond Funds \$3,244,100

Other Sources \$48,050

Total Project Budget \$3,292,150

Scope: The central heating plant on North Campus will be upgraded and the distribution network expanded to service new academic and support facilities.

Designer: Stantec, Raleigh, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Mid-Atlantic, Winston-Salem, NC

Status and Next Major Milestone: Currently 15% complete with construction. Anticipate completion November 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	3/15/01	2/6/03										
Construction	2/13/03	11/12/03										
Finish	11/12/03	11/12/03					★ 11/12					

HUB Participation: 0%

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$14,724	\$38,187	\$17,100	\$70,011	\$698,011	2.1%	5.5%	2.4%	10.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

-North Carolina State University

Undergraduate Science Teaching Lab - Phase I

Bond Funds \$36,462,190

Other Sources \$3,924,521

Total Project Budget \$40,386,711

Scope: The Undergraduate Science Teaching Lab (USTL) project at main campus consists of the construction of 70,700 gsf of instructional laboratories and classrooms for chemistry/physics. Along with the construction of 40,500 gsf of instructional laboratories, classrooms and greenhouses for horticultural sciences.

Designer: Little & Associates, Charlotte, NC

Construction Type/Contractor(s): Multi-prime

Single-prime

Greenhouses

General Contractor: NC Monroe Construction, Greensboro, NC

Electrical: KAD Construction, Inc., Raleigh, NC

Plumbing: Quality Mechanical Contractors, Burlington, NC

HVAC: Southern Piping, Wilson, NC

Main Building

RN Rouse, Inc., Goldsboro, NC

Status and Next Major Milestone: Greenhouse construction complete. Main building currently 50% complete with construction and anticipate completion February 2004. South Greenhouse currently under construction at 65% complete, anticipate completion July 2003. Coliseum Parking Deck is still under construction.

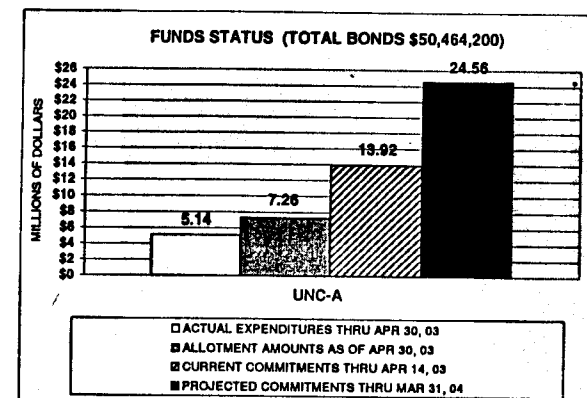
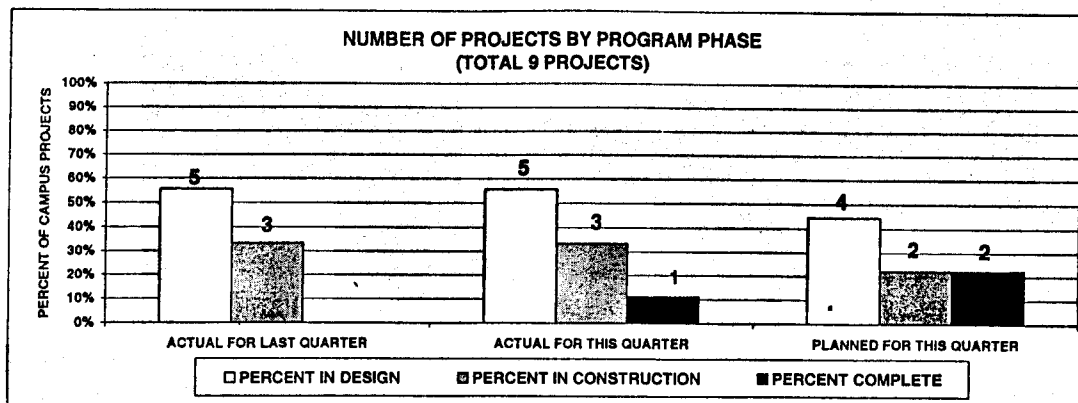
Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Undergrad Science Teaching	7/17/00	2/13/04										
Design	7/17/00	3/18/02										
Construction	4/13/01	2/13/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$1,149,139	\$1,998,548	\$0	\$3,147,687	\$28,449,192	4.0%	7.0%	0%	11.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Campus Primary Electrical Distribution System Upgrade and Improvements *	\$1,023,800	\$480,000	\$1,503,800							
Phase I			\$200,000	\$220,751	\$129,350	\$91,401	0.0%	0.0%	0.0%	0.0%
Phase II			\$335,000	\$1,167,608	\$334,716	\$832,892	0.0%	0.0%	0.0%	0.0%
Phase III			\$550,000	\$441,514	\$546,089	-\$104,575	0.0%	0.0%	0.0%	0.0%
Design, Contingency, Equip., etc.			\$418,800							
			\$1,503,800							
Highsmith Center - Comprehensive Renovation and Addition *	\$11,878,800	\$3,931,936	\$15,810,736							
Highsmith Center Laydown Space			\$65,000	\$118,370	\$63,500	\$54,870	0.0%	0.0%	0.0%	0.0%
Highsmith Center Swing Space			\$1,400,000	\$1,402,016	\$1,383,706	\$18,310	0.0%	0.2%	0.0%	0.2%
Highsmith Center Renovation and Addition			\$11,400,000	\$11,321,149	\$11,253,980	\$67,169	0.9%	0.3%	0.0%	1.2%
Design, Contingency, Equip., etc.			\$2,945,736							
			\$15,810,736							
Math and Science Building - Replacement of Rhodes and Robinson Buildings	\$22,203,200				CM at Risk					
TOTAL VARIANCES						\$960,067				
TOTAL HUB DATA FOR INSTITUTION							0.7%	0.3%	0.0%	1.0%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or completion later than date needed; design/construction 10%+ or behind)

Math & Science Building Replacement delay resulted from scope conflicts between the original project intent and the current programmatic needs of the University. Design is underway and recovery strategies are being developed with the designer and CM at Risk firm. Previously reported, Swing space was delayed as a result of pending scope change for Carmichael.

Zagair Hall Classroom Building is behind schedule because of swing space needs. Zagair must move into old Carmichael space during renovation.

BUDGET EXCEPTIONS: None

The University of North Carolina at Asheville

Campus Primary Electrical Distribution System Upgrade and Improvements

Bond Funds \$1,023,800

Other Sources \$431,153

98 Repairs/Renov. \$431,153

COMPLETED

Total Project Budget \$1,454,953

Scope: The campus underground electrical distribution system will be renovated and sections replaced. The existing system is more than 30 years old and has surpassed the expected life cycle. It is outdated and does not meet current electrical demands. The deteriorated system is over-taxed and cannot accommodate future buildings or student enrollment growth. System failure would paralyze major portions of the campus.

Designer: Booth & Associates, Raleigh, NC

Construction Type/Contractor(s): Single/prime

General Contractor: Pike Electrical, Mount Airy, NC

Status and Next Major Milestone: All phases of construction are now complete.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	5/19/99	6/6/02										
# Construction	5/14/01	1/16/03										
# Finish	1/16/03	1/16/03				★	1/16					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$914,603	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Asheville

Highsmith Center – Comprehensive Renovation and Addition

Bond Funds \$11,878,800
 Other Appropriations \$3,143,200
 94 Appropriation \$3,143,200

Other Sources \$788,736
 Self-Liquidating \$788,736

Total Project Budget \$15,810,736

Scope: The existing student center was built for a resident student population one-third the present size and is inadequate to provide important student services. The center will be renovated and expanded to provide a greater variety of services to a larger number of students.

Designer: Lee Nichols, Charlotte, NC

Construction Type/Contractor(s): Single-prime
Construction Manager: M.B. Kahn Construction Corp. Argo Division, Greenville, NC

Status and Next Major Milestone: Main building construction project of 23-month duration approximately 22% complete. Swing space project completed previously.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	6/20/01	6/17/02										
# Construction	4/16/01	5/5/04										
# Finish	5/5/04	5/5/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$97,500	\$41,240	\$0	\$138,740	\$12,834,390	0.8%	0.3%	0.0%	1.1%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Asheville

Math and Science Building – Replacement of Rhodes and Robinson Buildings

Bond Funds \$22,203,200

Other Sources \$0

Total Project Budget \$22,203,200

Scope: This building will provide math and science instructional lab spaces, classrooms, and faculty and staff offices to replace Rhodes and Robinson halls. Existing facilities are outdated, do not meet present technology standards, and are inadequate to teach current science and math program.

Designer: O'Brien Atkins Assoc., Research Triangle Park, NC

Construction Type/Contractor(s): CM at Risk

Construction Manager: Suitt Construction Company, Raleigh, NC

Status and Next Major Milestone: CM at Risk Project. Schematic Design started March 2003. Next major milestone: Submit SD package to state agency's December 2003.

Schedule:

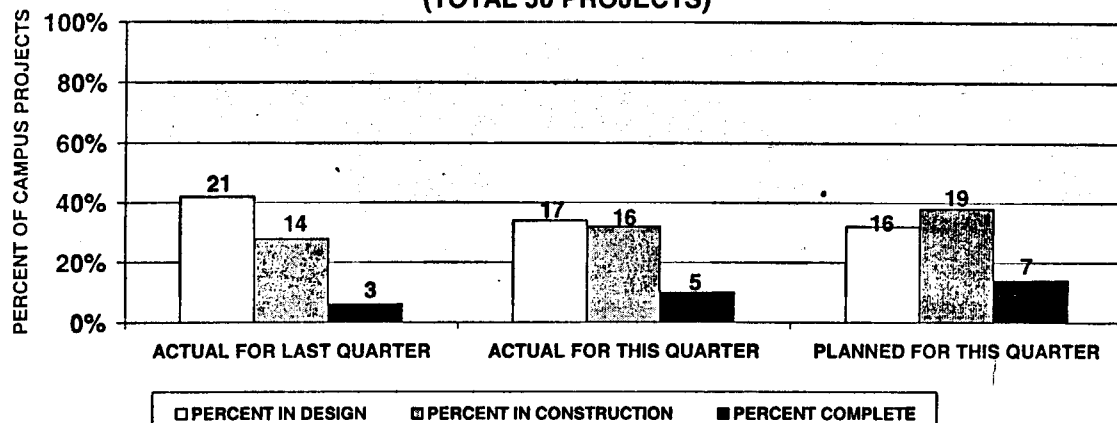
Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	3/20/01	2/23/05										
# Construction	2/24/05	8/24/07										
# Finish	8/24/07	8/24/07								☆	★ 8/24	

HUB Participation:

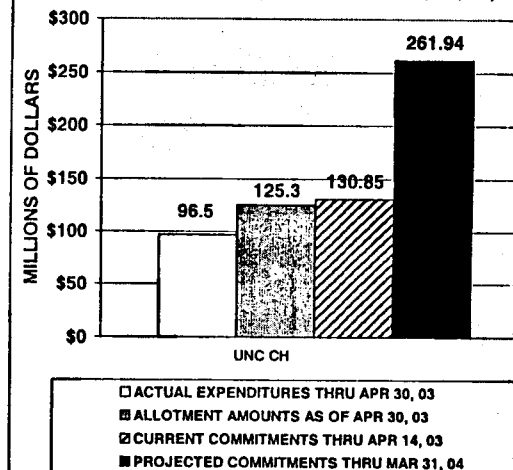
\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$0	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

**NUMBER OF PROJECTS BY PROGRAM PHASE
(TOTAL 50 PROJECTS)**



FUNDS STATUS (TOTAL BONDS \$510,539,075)



PROJECTS BID TO DATE

PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	HUB PARTICIPATION			
							AFR. AM.	WBE%	OTHER%	TOTAL
Beard Hall Classroom and Laboratory Building - Comprehensive Renovation* Phase I - Addition Phase II - Renovation Design, Contingency, Equip., etc.	\$3,500,000	\$22,750,000	\$26,250,000 \$20,400,000 \$3,889,000 \$1,961,000 \$26,250,000	Not Applicable, Supplement to Project Already Underway			0.0%	0.0%	0.0%	0.0%
Berryhill Hall Laboratory Building Comprehensive Renovation Berryhill Hall - 6th floor renovation Berryhill Hall - Building Renovation Design, Contingency, Equip., etc.	\$10,700,000	\$1,565,000	\$12,265,000 \$500,000 \$8,670,000 \$3,095,000 \$12,265,000	\$399,000	\$247,000	\$152,000	0.0%	32.1%	0.0%	32.1%

University of North Carolina at Chapel Hill

Institutional Summary

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Campus Fiber Optics Network* Phase IIIC - Building Wiring Phase IV Campus Communications Infrastructure Design, Contingency, Equip., etc.	\$17,533,500	\$124,000	\$17,657,500 \$904,359 \$1,500,000 \$12,604,516 \$2,648,625 \$17,657,500	N/A	\$904,359		0.0%	4.2%	0.0%	4.2%
Carolina Living and Learning Center	\$1,154,275	\$210,000	\$1,364,275	\$820,000	\$805,816	\$14,184	5.7%	11.7%	0.0%	17.4%
Carrington Hall	\$10,082,100	\$9,981,900	\$20,064,000	\$15,600,000	\$15,042,300	\$557,700	5.7%	0.0%	19.0%	24.6%
Health Sciences Library	\$11,000,000	\$1,036,358	\$12,036,358	\$8,444,340	\$7,598,150	\$846,190	0.0%	13.7%	0.0%	13.7%
Infrastructure Improvements - Main Campus* Chilled Water Phase III Chilled Water Phase IV Steam Improvements Northeast Chiller Plant Design, Contingency, Equip., etc.	\$32,298,000	\$1,170,000	\$33,468,000 \$4,887,500 \$4,887,500 \$8,472,800 \$10,200,000 \$5,020,200 \$33,468,000	\$2,548,674	\$2,148,746	\$399,928	0.9%	1.6%	0.0%	2.4%
Institute of Marine Sciences Morehead City - Comprehensive Renovation and Conversion from lab to classroom (Coker Hall)	\$1,833,300		\$1,833,300	\$1,529,735	\$1,414,600	\$115,135	0.0%	10.9%	0.0%	10.9%
Medical Biomolecular Research Building	\$26,718,000	\$38,045,500	\$64,763,500	Supplement to Project Bid Prior to Bonds			0.0%	10.0%	0.0%	10.0%
Memorial Hall - Renovation/Addition	\$10,110,000	\$6,500,000	\$16,610,000	\$11,642,000	\$13,540,000	(\$1,898,000)	0.0%	13.6%	0.0%	13.6%
Murphey Hall Classroom Building - Comprehensive Renovation	\$6,723,500	\$369,808	\$7,093,308	\$5,140,599	\$4,882,483	\$258,116	2.7%	2.2%	0.0%	4.8%
Peabody Hall Classroom Building - Comprehensive Renovation	\$8,509,800	\$369,808	\$8,879,608	\$6,682,853	\$4,072,443	\$2,590,410	0.0%	4.0%	0.0%	4.0%
Phillips Hall - Comprehensive Renovation of Classroom and Lecture Halls Phase I Phase II Design, Contingency, Equip., etc.	\$1,450,000		\$1,450,000 \$558,030 \$818,970 \$73,000 \$1,450,000		\$354,500		0.0%	100.0%	0.0%	100.0%
R.B. House Library - Renovations	\$9,898,700	\$940,000	\$10,838,700	\$9,142,935	\$8,820,703	\$322,232	2.2%	2.7%	0.0%	4.9%

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
School of Dentistry Building - Renovation and Conversion from Operator to General Academic Use	\$8,397,100		\$8,397,100	\$6,390,273	\$5,392,000	\$998,273	2.3%	0.0%	36.4%	38.6%
School of Medicine - Bioinformatics Building - Supplement for Appropriated Activity	\$2,000,000	\$33,217,000	\$35,217,000	Supplement to Project Bid Prior to Bonds			6.3%	8.1%	17.2%	31.6%
School of Public Health / TR Lab	\$13,382,900	\$25,598,300	\$38,981,200	\$28,256,048	\$28,222,000	\$34,048	4.6%	2.0%	3.0%	9.6%
Science Complex - Phase I*	\$55,012,500	\$18,037,500	\$73,050,000		CM at Risk					
Early Site Work			\$7,703,119	\$7,703,119	\$7,703,119	\$0	1.3%	7.7%	0.0%	9.0%
Building			\$49,752,662							
Design, Contingency, Equip., etc.			\$15,594,219							
			\$73,050,000							
Storm Drainage Improvements*	\$10,500,000	\$1,833,247	\$12,333,247							
#3325 Storm Drainage Improvements			\$7,848,000							
#4325 Intramural Field #3 Drainage, Water Storage & Irrigation			\$365,000	\$365,000	\$410,000	(\$45,000)	0.0%	6.5%	0.0%	6.5%
Ramshead Phase 1A - Site Utility			\$1,076,247				1.6%	4.3%	0.0%	5.9%
RamsHead Phase 1B - Site Work			\$757,000				11.3%	1.3%	0.0%	12.7%
Design, Contingency, Equip., etc.			\$2,287,000							
			\$12,333,247							
TOTAL VARIANCES						\$4,345,216				
TOTAL HUB FOR INSTITUTION							2.2%	6.3%	4.9%	13.4%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or completion later than date needed; design / construction 10%+ or behind)

Health Sciences Library, previously behind schedule, is now in construction. Previously reported.

Beard Hall is behind schedule because the construction schedule was influenced by delay in completion of Kerr Hall, a non bond project. Previously reported.

Community Health Building Consolidation of Programs schedule delayed because programming was lengthened to determine the feasibility of combining this with another project. Previously reported.

School of Dentistry Renovation contract award was delayed, currently under construction. Previously reported.

Memorial Hall delays encountered in obtaining project approvals from Department of Insurance. Previously reported.

Institute Of Marine Science @ Morehead City is behind schedule because other construction Influenced a delayed start. Previously reported.

Gerrard Hall Comprehensive Renovation - This project is not yet started and has been identified as having potential for schedule revisions. Any variance from the baseline schedule will be reported as this project commences. Previously reported.

Storm Drain Improvements is behind schedule because the initial schedule did not outline appropriate project phasing. Previously reported.

Steam Distribution System Replacement schedule delay attributed to extended mechanical review time required. Previously reported, schedule has been recovered.

Infrastructure Improvements is behind schedule because the initial schedule did not outline appropriate project phasing. Previously reported.

New West Classroom Building Renovation is delayed because swing space for project is not available until Saunders Hall is completed.

Saunders Hall Renovation -Swing Space not being available until May 2003 has extended schedule. Previously reported.

Coker and Mitchell Halls Renovation is not yet started and has been identified as having potential for schedule revisions. Any variance from the baseline schedule will be reported as this project commences. Previously reported.

Peabody Hall was behind schedule because the initial schedule did not reflect project phasing in an occupied building. Project is now under construction and continues to be behind baseline schedule.

Academic Facility to Consolidate International Programs-Site selection and programming delayed schedule. Previously reported.

College of A & S Digital Center & Music -Delayed to plan at master level, including programming for the Arts Common. Previously reported.

Campus Fiber Optic Network- Programming for this project is underway and includes study of current infrastructure with the expansion of the campus. Previously reported.

Technology Infrastructure Expansion- Reorganization of the ATN Division resulted in the restructuring of the project and some delay. Previously reported.

Medical Research Building is ahead of schedule because due to accelerated scheduling for asbestos removal.

Rosenau Hall Renovation is behind schedule because work can not begin until the School of Public Health Addition is complete.

Brauer Hall Renovation is behind schedule because work can not begin until the Old Dental Renovation is complete. CM @ Risk will pick up time during the construction phase of the project.

Burnett Womack Building Laboratory is behind schedule because departmental decision to redesign several floors of the project. Asbestos abatement bid separately and will later bid a demolition package to help make up time.

Berryhill Hall Laboratory is behind schedule because the Medical School wanted to delay the project until after Burnett Womack was finished.

Science Complex Phase One is behind schedule because of unknown site conditions.

Smith Hall Renovation is ahead of schedule because of revisions in the program needs.

Hamilton Hall Renovation is not yet started and has been identified as having potential for schedule revisions. Any variance from the baseline schedule will be reported as this project commences.

Caldwell and Howell Halls is not yet started and has been identified as having potential for schedule revisions. Any variance from the baseline schedule will be reported as this project commences.

Hanes and Manning Halls Renovations is not yet started and has been identified as having potential for schedule revisions. Any variance from the baseline schedule will be reported as this project commences.

Phillips Hall Renovation is ahead of schedule due to project phasing.

Cogeneration Facility is ahead of schedule because project scope revisions and anticipated increase need for capacity.

Upgrade Campus Energy Management System is ahead of schedule because increased need to meet system demands.

Electrical Systems Improvements is behind schedule because of delays in the drawing submissions.

Wilson Hall Laboratory is not yet started and has been identified as having potential for schedule revisions. Any variance from the baseline schedule will be reported as this project commences.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

Long range development plan presented to local authorities for approval in order to preclude lengthy zoning evaluations of individual projects with potentially adverse schedule impacts.

The University of North Carolina at Chapel Hill

Beard Hall Classroom and Laboratory Building – Comprehensive Renovation

Bond Funds \$3,500,000

Other Sources \$22,750,000

Total Project Budget \$26,250,000

Scope: Space in Beard Hall freed up by the completion of Kerr Hall will be renovated. The scope of work involves laboratories, classrooms, and offices for the departments of Medicinal Chemistry, Pharmaceutical Policy, Professional Education, Graduate Education, and Information Technology, and the Dean's Office. The total renovation cost of \$4,000,000 will be funded with \$500,000 in self-liquidating funds and \$3,500,00 in bond funds.

Designer: Rotman Architecture, Raleigh, NC

Construction Type/Contractor(s): Multi/prime

General Contractor: J.M. Thompson, Raleigh, NC

Electrical: ANECO, Inc., Apex, NC

Mechanical: Atlantic Coast Mechanical, Raleigh, NC

Plumbing: John J. Kirlin, Raleigh, NC

Status and Next Major Milestone: Addition phase is complete. The main building design remains at DD review. Next major milestone is to start CD production in April 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	5/25/01	8/15/03										
Construction	8/18/03	8/13/04										
Finish	8/13/04	8/13/04					☆☆ 8/13					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$20,747,033	0.0%	0.0%	0.0%	0.0 %

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Berryhill Hall Laboratory Building – Comprehensive Renovation

Bond Funds \$10,700,000

Other Sources \$1,565,000

Total Project Budget \$12,265,000

Scope: Berryhill Hall houses the primary teaching laboratories for the School of Medicine and other medical related disciplines. This project will complete a comprehensive renovation of the building's classrooms and laboratories at a total renovation cost of \$12,800,000. The work will include general refurbishing of spaces and replacement of equipment. The total renovation budget includes fund raising efforts to generate \$2,100,000 in self-liquidating funds in addition to the \$10,700,00 bond funds.

Designer: Donna Kramer (6th Floor Section)

Construction Type/Contractor(s): Single-prime

General Contractor: Acorn Industrial, Inc., Raleigh, NC (6th Floor Section)

Status and Next Major Milestone: Sixth-floor renovation completed in October 2002. Next major milestone: Advertise for designer on the balance of the design July 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	10/8/01	6/21/05										
Construction	1/30/02	11/2/06										
Finish	11/2/06	11/2/06							☆	☆ 11/2		

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$76,000	\$0	\$76,000	\$237,000	0.0%	32.1%	0.0%	32.1%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Campus Fiber Optics Network

Bond Funds \$17,533,500

Other Sources \$124,000

Total Project Budget \$17,657,500

Scope: Fiber will be extended to additional campus buildings, existing substandard computer wiring in buildings will be upgraded, and the network core relocated

Designer: Lockwood Green, Cary, NC

Construction Type/Contractor(s): Single-prime

Phase III C

General Contractor: Telemedia Communications, Auburndale, FL

Status and Next Major Milestone: Three preliminary construction packages have been let to date. Currently the principle design is at SD review. Next major milestone: Start DD production April 2003.

Schedule:

C	Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
#	Design	1/7/02	5/3/04										
#	Construction	10/1/01	1/26/07										
#	Finish	1/26/07	1/26/07								★ 1/26		

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$48,057	\$0	\$48,057	\$909,713	0.0%	4.2%	0.0%	4.2%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Carolina Living and Learning Center

Bond Funds \$1,154,275
 Other Appropriations \$120,000
 97 Appropriations \$120,000

COMPLETED

Other Sources \$90,000
 Self-Liquidating \$90,000

Total Project Budget \$1,364,275

Scope: The Carolina Living and Learning Center, located north of Pittsboro in Chatham County, is an agrarian based living and learning center for autistic adults. Phases 1 and 2 have constructed cottages for fifteen patients (eventual build-out will provide for thirty patients). This phase (3) constructed the commons building and connected the sewer line of the center to the Town of Pittsboro municipal sewer system.

Designer: BJAC, Raleigh, NC

Construction Type/Contractor(s): Bid as multi- and single prime, awarded as single prime.
 General Contractor: Blair Construction, Gretna, VA

Status: Construction completed on April 12, 2002, within budget and on schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/8/00	3/19/01										
Construction	3/20/01	4/12/02										
Finish	4/12/02	4/12/02			★ 4/12							

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$66,137	\$136,500	\$0	\$202,637	\$1,163,917	5.7%	11.7%	0.0%	17.4%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Carrington Hall – Addition for School of Nursing Project Supplement

Bond Funds \$10,082,100

Other Sources \$9,981,900

Total Project Budget \$20,064,000

Scope: This project will construct a 54,000 square foot addition on the east side of Carrington Hall, which houses the School of Nursing. The structure will include laboratories, offices, and instructional spaces to support nursing programs. The total project cost of \$17,986,100 will be met with \$7,904,000 in self-liquidating funds and \$10,082,100 in bond funds.

Designer: Pearce Brinkley Cease and Lee, Raleigh, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Clancy & Theys, Raleigh, NC

Status and Next Major Milestone: Seventeen month construction project began November 2002. Currently 31% complete. Anticipate completion April 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	7/18/00	11/4/02										
# Construction	11/5/02	4/27/04										
# Finish	4/27/04	4/27/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$863,000	\$0	\$2,900,000	\$3,763,000	\$15,266,964	5.7%	0.0%	19.0%	24.7%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Health Sciences Library – Comprehensive Renovation

Bond Funds \$11,000,000

Other Sources \$1,036,358

Total Project Budget \$12,036,358

Scope: The intent of the renovation is to bring the building up to current code and Americans with Disabilities Act standards, and create a new “state of the art” library. All six full floors and two partial floors will be renovated, and the exterior of the building modified on the ground level to accommodate a new entrance. The building will be reconfigured to respond to major trends in library usage, including relocation of user spaces, staff workspaces, and materials storage spaces.

Designer: Klein Davis Architects, Raleigh, NC

Construction Type/Contractor(s): Single - prime

General Contractor: R.N. Rouse & Company, Goldsboro, NC

Status and Next Major Milestone: Nineteen-month construction project began October 2002. Currently 30% complete. Anticipate completion May 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008
# Design	6/9/00	10/7/02									
# Construction	10/8/02	5/21/04									
# Finish	5/21/04	5/21/04									

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$1,050,000	\$0	\$1,050,000	\$7,675,294	0.0%	13.7%	0.0%	13.7%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Infrastructure Improvements – Main Campus

Bond Funds	\$32,298,000
Other Sources	\$1,170,000
Total Project Budget	\$33,468,000

Scope: Primary campus heating and cooling systems will be improved and expanded in multiple phases. The chilled water expansion will be Phases III and IV of the South Chiller Plant expansion.

Designer:

Energy Infrastructure Improvements
Water and Wastewater Evaluation
Chilled Water Phase III

Carter & Burgess, Raleigh, NC
Brown & Caldwell Atlanta, Ga.
Affiliated Engineers East, Chapel Hill, NC

Construction Type/Contractor(s): Multi-prime Chilled Water Phase III

Electrical: AAA Electrical Contract, Greensboro, NC
Mechanical: Superior Mechanical, Greensboro, NC

Status and Next Major Milestone: Chilled water phase III is complete. Chilled Water Phase IV is currently in CD production, CD package submittal for review anticipated April 2003. Manning Steam Plant design currently at DD review. Anticipate CD production to start April 2003. Steam distribution replacement construction at Ram's Head is currently 36% complete.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	3/15/00	10/1/03										
Construction	10/23/01	7/19/04										
Finish	7/19/04	7/19/04			☆		★ 7/19					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$35,000	\$63,900	\$0	\$98,900	\$3,797,866	.9%	1.7%	09%	2.6%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Institute of Marine Sciences Morehead City – Comprehensive Renovation and Conversion from Lab to Classroom

Bond Funds **\$1,833,300**

Other Sources **\$0**

Total Project Budget **\$1,833,300**

Scope: This facility was constructed in the 1960's as a laboratory building. Laboratories have been relocated to a newer, adjacent building, thus allowing renovation of this building for much needed office and dry laboratory space. The work will include replacement of the heating and air conditioning system, general refurbishing of converted spaces, and exterior building repairs.

Designer: The Walker Group Architecture, Inc., New Bern, NC

Construction Type/Contractor(s): Multi/prime

General Contractor: Blue Rock Structures, Inc., Raleigh, NC

Electrical: Bolton Corporation, Raleigh, NC

Mechanical: Mechworks Mechanical, Beaufort, NC

Plumbing: Bolton Corporation, Beaufort, NC

Status and Next Major Milestone: Seven-month construction project commenced January 2003. Currently 37% complete. Anticipate completion August 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	1/15/01	1/13/03										
# Construction	1/14/03	8/8/03										
# Finish	8/8/03	8/8/03				☆ ★ 8/8						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$153,614	\$0	\$153,614	\$1,414,600	0.0%	10.9%	0.0%	10.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Medical Biomolecular Research Building

Bond Funds \$26,718,000

Other Sources \$38,045,500

Total Project Budget \$64,763,500

COMPLETED

Scope: This 225,000-square-foot laboratory building will house research laboratories and necessary laboratory support space for the School of Medicine. The total project cost of \$64,763,500 will be met with a combination of self-liquidating, bond, and previously appropriated funds.

Designer: Lord Aeck Sargent, Atlanta, Ga.

Construction Type/Contractor(s): Multi-prime

General Contractor: Beers Construction Co., Winston-Salem, NC

Electrical: Watson Electrical, Wilson, NC

Plumbing: John J. Kirlin, Inc., Raleigh, NC

HVAC: John J. Kirlin, Inc., Raleigh, NC

Status and Next Major Milestone: Construction completed March 30, 2003. Finished on budget and one month behind baseline schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	9/6/00	2/5/01										
# Construction	2/6/01	3/30/03										
# Finish	3/30/03	3/30/03										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$13,700	\$5,446,850	\$0	\$5,460,550	\$54,621,017	0.0%	10.0%	0.0%	10.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Memorial Hall – Comprehensive Renovation and Addition

Bond Funds	\$10,110,000
Other Appropriations	\$800,000
Self Liquidating	\$700,000
Other Sources	\$5,000,000
Total Project Budget	\$16,610,000

Scope: Memorial Hall, constructed in 1931, is the largest auditorium on the campus with a seating capacity of 1626. This facility is used extensively for student assemblies and performances, lectures, concerts, and visiting performing artists. During past years, a significant amount of repair work has been done to upgrade the electrical system and repair the roof; however, major improvements are required if the University is to realize full use of the facility. The project calls for demolition of the existing stage house and additions to expand the stage house and public facilities. The expanded stage house will provide a larger stage with wing space and updated stage equipment and lighting, dressing rooms, a loading dock, and rehearsal space. Americans with Disabilities Act deficiencies will be addressed, patron spaces expanded, elevator service provided, and all building systems updated. The building is not air-conditioned, and a new HVAC system will be installed to permit year round use of the facility. The total renovation cost of \$13,450,000 will be met with \$3,650,000 in contributions from private citizens and \$10,110,000 in bond funds.

Designer: Calloway Johnson Moore & West, Winston-Salem, NC

Construction Type/Contractor(s): Single-prime

General Contractor: TA Loving Company, Goldsboro, NC

Status and Next Major Milestone: Eighteen month construction project is scheduled to begin May 27, 2003. The construction start was delayed until after the 2003 spring commencement.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	3/20/00	1/10/03										
# Construction	5/27/03	9/17/04										
# Finish	9/17/04	9/17/04				★	★ 9/17					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$1,847,450	\$0	\$1,847,450	\$13,630,212	0.0%	13.5%	0.0%	13.5%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Murphey Hall Classroom Building – Comprehensive Renovation

Bond Funds \$6,723,500

Other Sources \$300,000

Total Project Budget \$7,023,500

COMPLETED

Scope: This project will provide for an extensive renovation of the entire building constructed in 1924. Murphey Hall is a heavily used general-purpose classroom building that also houses the Classics Department. Extensive work is required to preserve the building, improve occupants' safety, improve building security, and enhance functional use. Work will include new room configurations, new ceilings and lighting, new floors, new electrical and telecommunication systems and central air conditioning.

Designer: Michael Hining Architects, Chapel Hill, NC

Construction Type/Contractor(s): Multi-prime

General Contractor: C.T. Wilson Construction Company, Inc., Durham, NC

Electrical: Quality Electric Co., Inc., Durham, NC

Mechanical: Comfort Engineers, Inc., Durham, NC

Plumbing: Acme Plumbing & Heating Co., Durham, NC

Status and Next Major Milestone: Construction completed December 16, 2002. Finished on budget and one month ahead baseline schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008
# Design	9/21/00	10/23/01									
# Construction	10/24/01	12/16/02									
# Finish	12/16/02	12/16/02				★ 12/16					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$142,006	\$115,099	\$0	\$257,105	\$5,350,256	2.7%	2.2%	0.0%	4.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Peabody Hall Classroom Building – Comprehensive Renovation

Bond Funds \$8,509,800

Other Sources \$369,808

Repairs&Renov. \$369,808

Total Project Budget \$8,879,608

Scope: Peabody Hall was constructed in 1913 and expanded in 1960. The building houses classrooms and offices of the School of Education. This project will upgrade the classrooms, replace the air conditioning and heating system, and generally refurbish building spaces.

Designer: Hoke/New Vision, Durham, NC

Construction Type/Contractor(s): Single-prime

General Contractor: L.A. Downey & Sons, Inc., Durham, NC

Status and Next Major Milestone: Twenty-month construction project began May 2002. Currently 52% complete. Anticipate completion of project in January 2004. Construction schedule extended to accommodate phased construction in occupied spaces.

Schedule:

Task Name	Start	Finish	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	2/15/02	5/22/02		■							
Construction	5/23/02	1/5/04		■	■	■					
Finish	1/5/04	1/5/04			☆ ★ 1/5						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$182,840	\$0	\$182,840	\$4,517,237	0.0%	4.1%	0.0%	4.1%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Phillips Hall – Comprehensive Renovation of Classrooms and Lecture Halls

Bond Funds \$1,450,000

Other Sources \$0

Total Project Budget \$1,450,000

Scope: This project will renovate general-purpose classrooms, including asbestos abatement; replacement of floors, ceilings, lighting and furniture; installation of new electrical systems and data connections; new window treatments; and modifications within the classrooms and building to provide for handicapped accessibility.

Designer: Richard A. Gurlitz Architects, Chapel Hill, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Recon Corporation, Hampstead, NC

Status and Next Major Milestone: Six-month construction project for Phase I began in March 2003. Approximately 13% complete. Phase I completion is scheduled September 2003. Phase II design has not started yet.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	2/15/01	3/7/04										
# Construction	3/7/03	5/27/05										
# Finish	5/27/05	5/27/05						★ 5/27				

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$354,500	\$0	\$354,500	\$354,500	0.0%	100%	0.0%	100%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

R. B. House Library – Renovations

Bond Funds \$9,898,700
 Other Appropriations \$90,000
 95 Appropriations \$90,000

COMPLETED

Other Sources \$850,000
 Overhead Receipts \$250,000
 95 Repairs&Renov \$600,000

Total Project Budget \$10,838,700

Scope: The R.B. House Library was built in 1968 and, since that time, has served as the Undergraduate Library. In addition to providing repairs to the building, roof, electrical and HVAC systems and removing asbestos, this project accomplished a comprehensive renovation of this facility to combine the operation of the Undergraduate Library with the Office of Institutional Technology. This combination of functions provides for modern technological services to library users.

Designer: Nix, Mann, Shive, Perkins & Will, Charlotte, NC

Construction Type/Contractor(s): Multi-prime

General Contractor: Clancey & Theys, Raleigh, NC
 Electrical: Evans, DW Electric, Inc., Durham, NC
 HVAC: Comfort Engineers, Inc. Durham, NC
 Plumbing: Cam-Ful Industries, Pineville, NC

Status: Construction completed on July 15, 2002, within budget and 4 months behind baseline schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/8/00	4/17/01										
Construction	4/18/01	7/15/02										
Finish	7/15/02	7/15/02			★ ★ 7/15							

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$200,000	\$243,800	\$0	\$443,800	\$9,071,502	2.2%	2.7%	0.0%	4.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

School of Dentistry Building – Renovation and Conversion from Operatory to General Academic Use

Bond Funds **\$8,397,100**

Other Sources **\$0**

Total Project Budget **\$8,397,100**

Scope: The original School of Dentistry Building will undergo a comprehensive renovation for conversion to general academic use. The work includes installation of a new sprinkler and fire alarm system, upgrades to electrical and telecommunications systems, window replacement, improvements to meet Americans with Disabilities Act requirements, asbestos abatement, and replacement of the HVAC system. The total renovation cost of \$12,329,463 will be met with \$3,932,363 in self-liquidating funds and \$8,397,100 in bond funds.

Designer: FLAD, Raleigh, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Clancy & Theys Construction Co., Raleigh, NC

Status and Next Major Milestone: Nineteen-month construction project began in August 2002. Approximately 40% complete. Anticipate completion March 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	1/2/01	8/5/02										
Construction	8/5/02	3/16/04										
Finish	3/16/04	3/16/04					☆ ☆ 3/16					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$121,500	\$0	\$1,960,00	\$2,081,500	\$5,392,000	2.3%	0.0%	36.3%	38.6%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

School of Medicine – Bioinformatics Building – Supplement for Appropriated Activity

Bond Funds \$2,000,000

Other Sources \$33,217,000

Total Project Budget \$35,217,000

COMPLETED

Scope: Space to consolidate Mail Center operations was provided on the lower floor of the Bioinformatics Building. The location offers an improved loading dock and vehicular access. The total building cost of \$37,360,850 was met with a combination of \$2,000,000 in bond funds and additional non – state sources.

Designer: BJAC, Raleigh, NC

Construction Type/Contractor(s): Multi-prime

General Contractor: Clancey and Theys Construction Co., Raleigh, NC

Electrical: Bryant Durham Electric Co., Inc., Durham, NC

Mechanical: Bay Mechanical, Inc., Garner, NC

Plumbing: Bay Mechanical, Inc., Garner, NC

Status: Construction was completed in mid-November, within budget and 15 days ahead of baseline schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/8/00	2/19/01										
Construction	2/20/01	11/15/02										
Finish	11/15/02	11/15/02				★ 11/15						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$1,678,961	\$2,174,428	\$4,608,334	\$8,461,723	\$26,754,541	6.3%	8.1%	17.2%	31.6%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

School of Public Health Project Supplement - Teaching Research Building

Bond Funds **\$13,382,900**

Other Sources **\$25,598,300**

Total Project Budget **\$38,981,200**

Scope: A 123,000-square-foot addition to the School of Public Health will be constructed on the south side of McGavran/Greenberg and Rosenau Halls. The building will provide research laboratories, offices, and classrooms. The total project cost of \$38,981,200 will be met with \$25,598,300 in self-liquidating funds and \$13,382,900 in bond funds.

Designer: Ashen & Allen, Baltimore, MD

Construction Type/Contractor(s): Single-prime
General Contractor: T.A. Loving, Greensboro, NC

Status and Next Major Milestone: Twenty seven-month construction project began in July 2002. Approximately 30% complete. Anticipate completion October 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	11/15/00	7/29/02										
# Construction	7/29/02	10/8/04										
# Finish	10/8/04	10/8/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$1,310,000	\$573,878	\$841,000	\$2,724,878	\$28,483,707	4.6%	2.0%	3.0%	9.6%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Science Complex – Phase I

Bond Funds	\$55,012,500
Other Sources	\$18,037,500
Total Project Budget	\$73,050,000

Scope: Phase I of the Science Complex includes additions to Phillips and Sitterson Halls and a new Interdisciplinary Physical Sciences Building on the site currently occupied by the ROTC Building. These buildings will replace facilities in Venable Hall (which is slated for demolition in Phase II). In addition to providing much needed space for the basic science departments of Physics and Astronomy, Chemistry, and Mathematics, these new facilities will provide space for interdisciplinary activities such as materials science, polymer science, nano-technology, separation science, applied mathematics, sensor technology and advanced visualization. The program includes new undergraduate classrooms, teaching and research labs, and a Science Theater to address existing space deficiencies. The total project cost is \$89,000,000, which will be funded with self-liquidating funds in to addition bond funding.

Designer: William Wilson Architects, Boston, Mass

Construction Type/Contractor(s): CM at Risk

Construction Manager: Centex Construction Co., Charlotte, NC

Status and Next Major Milestone: CM at Risk Project. Construction on Site Work package complete. Currently 70% complete of the CD package. Anticipate CD package submission to state agencies May 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	1/12/01	6/18/03										
Construction	12/2/02	4/20/06										
Finish	4/20/06	4/20/06						☆	★ 4/20			

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$97,020	\$573,289	\$0	\$670,309	\$7,436,343	1.3%	7.7%	0.0%	9.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Chapel Hill

Storm Drainage Improvements

Bond Funds \$10,500,000

Other Sources \$0

Total Project Budget \$10,500,000

Scope: Portions of the central campus storm drainage system, which is important in managing storm water runoff and is overloaded and blocked in many locations, will be replaced.

Designer: Andropogon Associates, Philadelphia

Construction Type/Contractor(s): Single-prime

Intramural Field Phase

General Contractor: Billings & Garrett, Raleigh, NC

Ramshead Development Phase IA Site Utility & Phase IB Site Work

General Contractor: Rifenburg Construction, Durham, NC

Status and Next Major Milestone: Intramural field construction completed in August 2002. Ramshead Development Phase I is under Construction and currently at 36% complete. Phase 1 Storm Drainage Improvements Design 96% complete. Phase II is scheduled to advertise for designer April 2003.

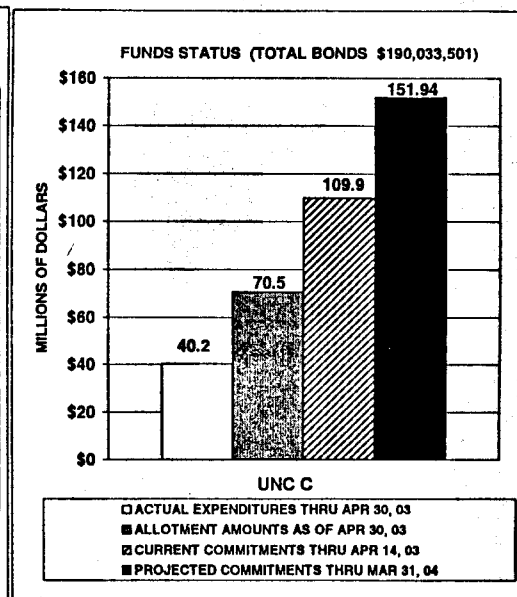
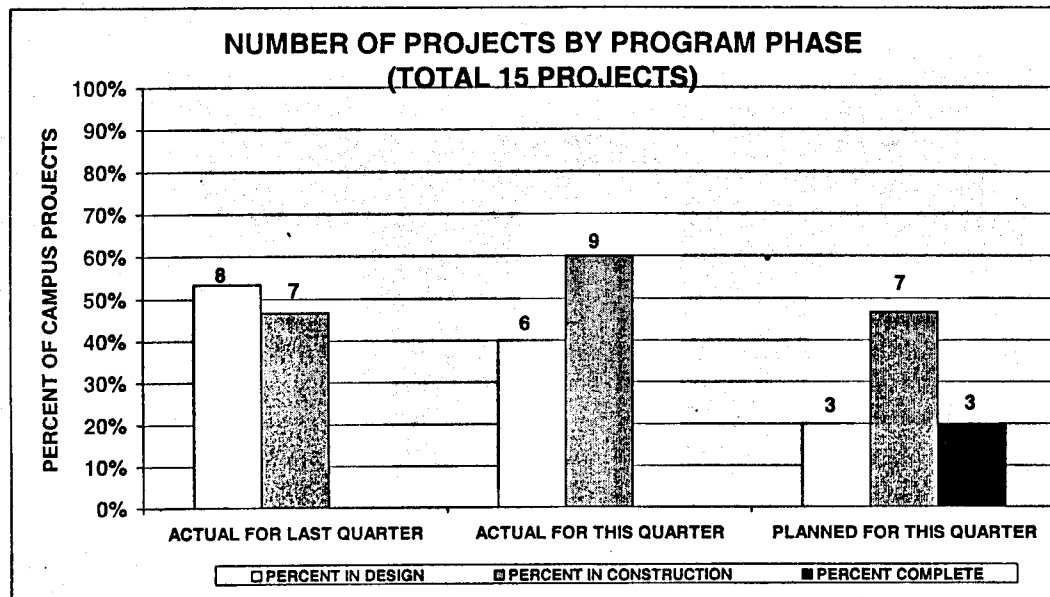
Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	6/14/01	2/28/05										
Construction	5/21/02	4/2/06										
Finish	4/2/06	4/2/06										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$103,163	\$131,094	\$0	\$234,257	\$2,979,598	3.5%	4.4%	0.0%	7.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Academic Facilities - Humanities*	\$25,410,365	\$8,041,835	\$33,452,200							
Office Wing			\$4,181,119	\$4,217,570	\$4,181,119	\$36,451	7.0%	1.3%	0.2%	8.4%
Academic Wing			\$23,241,250	\$23,263,250	\$23,241,250	\$22,000	5.3%	1.1%	0.2%	6.6%
Design, Contingency, Equip., etc.			\$6,029,831							
			\$33,452,200							
Central Heating Plant Improvements - Upgrade and Modernization*	\$5,745,088	\$190,000	\$5,935,083							
Steam and Condensate Piping Replacement			\$255,700	\$273,100	\$255,700	\$17,400	1.0%	0.0%	0.0%	1.0%
Regional Utility Plant #1			\$4,079,240	\$4,873,711	\$4,079,240	\$794,471	0.0%	31.2%	0.0%	31.2%
Design, Contingency, Equip., etc.			\$1,600,143							
			\$5,935,083							
Chiller Replacement	\$1,824,200	\$125,000	\$1,949,200	\$1,818,110	\$1,690,754	\$127,356	1.7%	8.2%	0.0%	9.9%

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Classroom and Office Building*	\$26,102,500		\$26,102,500		\$16,599,000		1.3%	9.7%	0.0%	10.9%
College of Education**	\$33,532,114		\$33,532,114		\$12,508,325					
Campus Infrastructure Development (CID) - Mass Grading			\$1,040,000	\$1,134,972	\$1,047,326	\$87,646	0.5%	10.1%	0.0%	10.6%
Campus Infrastructure Development (CID) - Roads & Utilities			\$4,336,000	Pending	\$4,336,000		0.0%	10.2%	0.0%	10.2%
Campus Infrastructure Development (CID) - Regional Utility Plant #2			\$4,194,595	Pending	\$4,811,250		0.0%	0.0%	11.6%	11.6%
Campus Infrastructure Development (CID) - Final Site Improvements			\$674,292							
College of Education Building Design, Contingency, Equip., etc.			\$16,872,279		\$12,508,325		0.0%	4.3%	8.7%	13.0%
			<u>\$6,414,948</u>							
			\$33,532,114							
Science & Technology Building*	\$34,653,736	\$316,264	\$34,970,000							
Preliminary Grading			\$531,500	\$1,054,500	\$531,500	\$523,000	3.9%	0.0%	0.0%	3.9%
Building			\$27,613,498	\$31,530,375	\$27,613,498	\$3,916,877	0.3%	8.8%	0.0%	9.1%
Design, Contingency, Equip., etc.			<u>\$6,825,002</u>							
			\$34,970,000							
Technology Infrastructure Expansion	\$3,345,500		\$3,345,500	N/A	\$2,345,500		12.6%	19.7%	0.0%	32.3%
TOTAL VARIANCES						5,525,201				
TOTAL HUB DATA FOR INSTITUTION							2.1%	7.1%	1.6%	10.8%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings.
In like manner, non-bond funding contributions may be reduced.

**Bond funding shown reflects transfers between bond projects.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or Completion later than date needed; design / construction 10%+ or behind)

Rowe Classroom Building - The success of a contracted scheduling consultant is reflected in this expedited schedule. Previously reported.

Physical Plant and Campus Public Safety Facilities schedule delay is the result of an extended programming effort necessary to best address program needs under budget constraints. Delay also contributed to by a subconsultant's poor performance. Previously reported.

Technology Infrastructure delay is the result of schedule adjustments to coordinate with the Campus Infrastructure Development (CID) project under the School of Education project. The combining of duct bank projects will mean less traffic disruptions. Previously reported.

Graduate Engineering Complex and Research Facility and Laboratory Phase One is behind baseline schedule because the designer took longer than expected to complete the schematic design phase. Also contract negotiation is extending the award phase longer than planned.

Central Heating Plant is behind baseline schedule because it was a new concept and the design took longer than expected.

McEnery Classroom Building is ahead of baseline schedule because the designer is moving faster than originally planned.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

"Move-in" planning meetings are held with all project occupants to facilitate a smooth occupancy process.

Utility outage planning meetings are held on-site 30 days prior to any major outage in order to identify critical services and plan for support prior to the outage.

Preliminary grading has been addressed as a separate project early in the School of Education and Science and Technology projects to facilitate a faster start on the building construction itself.

The University of North Carolina at Charlotte

Academic Facilities – Humanities

Bond Funds \$25,410,365
 Other Appropriations \$2,036,635
 96 Appropriations \$2,036,635

Other Sources \$6,005,200
 Other \$6,005,200

Total Project Budget \$33,452,200

Scope: This project will provide classrooms, teaching studios, meeting rooms, offices and a theatre for student performances to support Music, Dance, Theatre, and other humanities departments.

Designer: Jenkins - Peer Architects, Charlotte, NC

Construction Type/Contractor(s): Multi-prime

	Office Wing	Academic Wing
General Contractor:	Edifice, Inc.	Beers/Davidson & RJ
Electrical:	RDS Electrical	Port City
Plumbing:	Cam-Ful Industries, Inc.	Cam-Ful Industries
HVAC:	Climate Conditioning, Charlotte	Beimann & Rowell

Status and Next Major Milestone: Office Wing completed and occupied. Academic Wing currently in construction at 55% complete. Anticipate completion November 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	4/2/99	10/29/01										
Construction	3/19/01	11/6/03										
Finish	11/6/03	11/6/03				★ 11/6						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$1,549,670	\$302,300	\$44,090	\$1,896,060	\$27,700,040	5.6%	1.1%	0.2%	6.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Charlotte

Central Heating Plant Improvements – Upgrade and Modernization

Bond Funds **\$2,826,200**

Other Sources **\$190,000**

University Funds **\$190,000**

Total Project Budget **\$3,016,200**

Scope: The University's heating plant and steam distribution system will be improved to provide adequate capacity while complying with air quality regulations. This work consists of steam system repair and construction of Regional Utility Plant No.1

Designer:

Steam and Condensate Piping
Regional Utility Plant

United Engineering Group, Inc, Charlotte, NC
J. N. Pease Associates, Charlotte, NC

Construction Type/Contractor(s):

Steam and Condensate Piping Luwa-Bahnson, Inc., Charlotte, NC

Regional Utility Plant/ Multi-Prime

General Contractor:	American Eastern Builders, Inc. Charlotte, NC
Electrical:	ANECO Electrical Construction, Inc. Charlotte, NC
Steam Repairs:	Luwa-Bahnson, Charlotte, NC
Plumbing:	Nichols Mechanical, Statesville, NC
HVAC:	Cam-Ful Industries, Inc., Pineville, NC
Sprinkler:	Cam-Ful Industries, Inc. Pineville, NC

Status and Next Major Milestone: Regional Plant is currently in construction at 72% complete. Anticipate completion May 2003. Steam and condensate line repairs are complete.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/8/00	5/10/02										
Construction	7/3/01	5/21/03										
Finish	5/21/03	5/21/03				★	★ 5/21					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$3,000	\$1,318,474	\$0	1,321,474	\$4,514,535	0.1%	29.2%	0.0%	29.3%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Charlotte

Chiller Replacement

Bond Funds \$1,824,200

Other Sources \$125,000

Total Project Budget \$1,949,200

Scope: One central chiller plant will replace individual chillers at McEniry and Smith buildings, and have sufficient capacity to serve the Bookstore and Prospector cafeteria. The new plant will be located in McEniry and will consist of two 500-ton water-cooled centrifugal chillers, two 2-cell induced draft cooling towers, and associated pumps, piping, and controls.

Designer: Lanna Dunlap Spriggs, Charlotte, NC

Construction Type/Contractor(s): Multi-prime

General Contractor: Eagle Wood, Denver, SC

Electrical: ANECO, Pineville, NC

Mechanical: Cam-Ful, Pineville, NC

Plumbing: Cam-Ful, Pineville, NC

Status and Next Major Milestone: Construction phase is currently at 95% complete. Anticipate completion May 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/8/00	5/24/02										
Construction	6/1/02	5/28/03										
Finish	5/28/03	5/28/03				★ 5/28						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$29,150	\$141,564	\$0	\$170,714	\$1,722,259	1.7%	8.2%	0.0%	9.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Charlotte

Classroom and Office Building

Bond Funds \$26,102,500

Other Sources \$0

Total Project Budget \$26,102,500

Scope: This project will begin to address over-crowding in existing campus academic facilities. The construction will provide instructional space, laboratories, and academic support space for current students and anticipated enrollment growth. Also included will be departmental and faculty offices, and support facilities to enhance faculty teaching and productivity.

Designer: LS3P Associates, Charlotte, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Skanska Building Company, Charlotte, NC

Status and Next Major Milestone: The construction contract was just awarded. Construction to commence April 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	1/12/01	4/2/03										
# Construction	4/3/03	8/18/04										
# Finish	8/18/04	8/18/04					★ 8/18					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$212,000	\$1,605,000	\$0	\$1,817,000	\$16,599,000	1.3%	9.7%	0.0%	11.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Charlotte

College of Education

Bond Funds \$33,532,114

Other Sources

Total Project Budget \$33,532,114

Scope: This project under the College of Education Building provides infrastructure to support new bond project buildings on the main and CI campuses. Infrastructure to include power, telecommunications, chilled water, domestic water/fire protection, sewer, sanitary sewer, storm water, grading, roads, parking, site lighting, and erosion controls.

Designer:

Main Building	Gantt Huberman, Charlotte, NC
CID Mass Grading Phase	United Engineering Group, Charlotte, NC
CID Roads & Utilities	United Engineering Group, Charlotte, NC
CID Regional Utility Plant #2	United Engineering Group, Charlotte, NC
CID Final Site Improvements	United Engineering Group, Charlotte, NC

Construction Type/Contractor(s):

General Contractor:	Clancey & Theys Construction Co.
CID Mass Grading Phase	Jones Brothers, Inc., Mt Juliet, TN
CID Roads & Utilities	Beers Skanska, Inc.
CID Regional Utility Plant #2	Cam-Ful Industries, Inc.

Status and Next Major Milestone: Site Mass Grading construction is approximately 95% complete. Roads & Utilities Construction is approximately 3% complete. Regional Utility Plant construction is approximately 5% complete. Final Site Improvement drawings are currently in CD production. Main Building construction commenced on February 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	1/12/01	4/6/04										
Construction	7/22/02	9/29/04										
Finish	9/29/04	9/29/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$12,005	\$1,212,602	\$1,646,250	\$2,870,857	\$23,945,591	0.1%	5.0%	6.9%	12.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Bond Program

The University of North Carolina at Charlotte

Science and Technology Building

Bond Funds \$34,653,736
 Other Appropriations \$316,264
 98 Appropriations \$316,264

Other Sources

Total Project Budget \$34,970,000

Scope: The Science and Technology Building will provide space for departments and programs in the sciences and engineering, including the School of Information Technology and doctoral programs in Electrical Engineering, Mechanical Engineering and Biology.

Designer: Pease Associates

Construction Split into two sections:

Site Grading

Contractor(s): Multi-prime

General Contractor:

Culp Brothers, Inc., Gold Hill, NC

Electrical:

Eagle Electric of NC, Inc.

Building

Contractor(s): Single-prime

Welliver McGuire, Inc, Harrisburg, NC

Status and Next Major Milestone: Currently in construction at 21% complete. Anticipate completion May 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/8/00	7/19/02										
Construction	7/29/02	5/28/04										
Finish	5/28/04	5/28/04					★ 5/28					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$103,051	\$2,390,530	\$5,000	\$2,498,581	\$27,670,566	0.4%	8.6%	0.0%	9.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Charlotte

Technology Infrastructure Expansion

Bond Funds \$3,345,500

Other Sources \$0

Total Project Budget \$3,345,500



Scope: This initiative will continue expansion of the campus information technology infrastructure supporting teaching and learning programs, student and administrative services, and other activities central to the University's mission.

Designer: In-House

Construction Type/Contractor(s): Non Applicable
(Equipment Purchases and Wiring)

Status and Next Major Milestone: Construction commenced in Mid-May, 2001. Currently construction is 98 % complete. Completion is scheduled for April 2003.

Schedule:

C Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	4/2/01	5/21/01										
# Construction	5/21/01	4/15/03										
# Finish	4/15/03	4/15/03				☆						

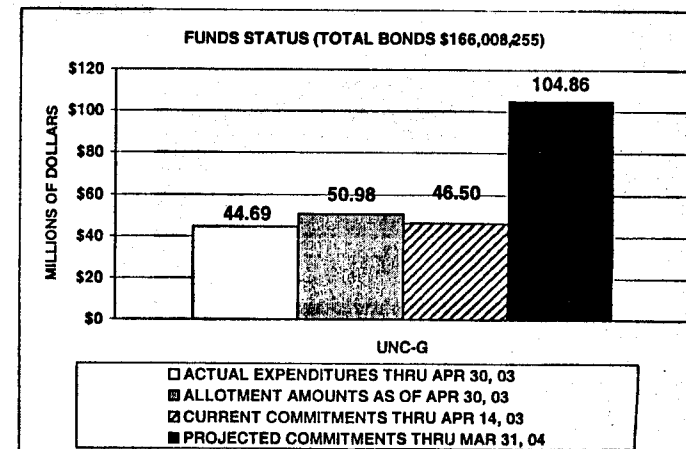
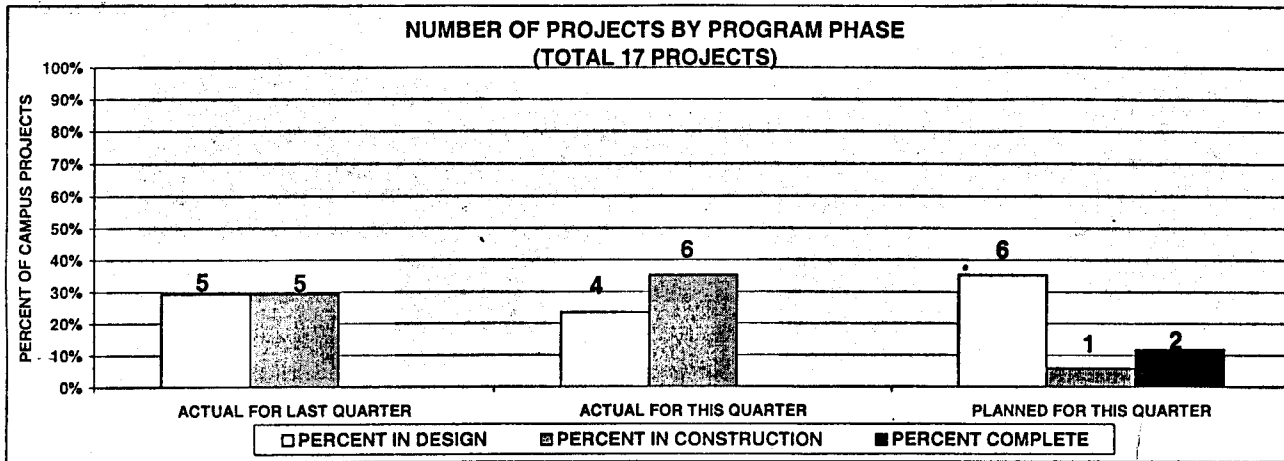
HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$296,660	\$461,700	\$0	\$758,360	\$2,345,500	12.6 %	19.7%	0%	32.3%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

University of North Carolina at Greensboro

Institutional Summary



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Infrastructure - Northeast Quadrant*	\$6,825,200		\$6,825,200							
Northeast Quadrant			\$4,909,137	\$4,909,137	\$5,356,200	-\$447,063				
Mclver St. - E.Lake Alignment			\$332,164	\$332,164	\$356,590	-\$24,426	2.0%	9.3%	0.0%	11.3%
Design, Contingency, Equip., etc.			\$1,583,899							
			\$6,825,200							
Mclver Chiller Plant Expansion and Improvements*	\$9,373,800		\$9,373,800							
Phase I			\$437,245	\$437,245	\$367,700	\$69,545	60.1%	0.0%	0.0%	60.1%
Phase II			\$4,473,300	\$4,473,300	\$2,978,851	\$1,494,449	0.0%	0.8%	0.0%	0.8%
Phase III			\$3,347,715	\$3,134,000	\$3,242,936	-\$108,936	0.0%	42.3%	0.0%	42.3%
Design, Contingency, Equip., etc.			\$1,115,540							
			\$9,373,800							
Science Instructional Building - Replacement of Petty Science Building	\$44,472,155	\$3,290,045	\$47,762,200	\$40,035,724	\$31,733,750	\$8,301,974	0.2%	2.5%	0.0%	2.6%
Stone Classroom Building - Comprehensive Renovation*	\$8,390,401		\$8,390,401							
Window Replacement			\$199,800	\$199,800	\$199,800	\$0	0.0%	0.0%	0.0%	0.0%
Stone Renovation			\$4,289,335							
Design, Contingency, Equip., etc.			\$3,901,266							
			\$8,390,401							

Last Updated
5/12/2003

UNC Bond Program

University of North Carolina at Greensboro

Institutional Summary

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Technology Infrastructure Expansion	\$4,101,300	\$5,600,838	\$9,702,138							
#8307 Infrastructure Enhancements			\$5,152,338		\$5,152,338		0.0%	0.0%	0.0%	0.0%
#8309 Moore Nursing Asbestos			\$326,400		\$326,400		0.0%	0.0%	0.0%	0.0%
#8310 Infrastructure Enhancements			\$1,366,352	\$1,366,352	\$1,210,000	\$156,352	3.9%	0.0%	0.0%	3.9%
#8311 Upgrade Combined Distribution Frame			\$311,863		\$311,863		0.0%	0.0%	0.0%	0.0%
Data Equipment Purchases			\$2,000,000							
Cable and Fiber Optic Changes			\$322,632	\$303,705	\$303,705		0.0%	0.0%	0.0%	0.0%
Design, Contingency, Equip., etc.			\$222,553							
			\$9,702,138							
TOTAL VARIANCES						\$9,913,384				
TOTAL HUB DATA FOR INSTITUTION							0.9%	5.4%	0.0%	6.3%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS:

Stone Classroom Building Renovation is ahead of schedule because the designer is producing on an expedited schedule. Previously reported.

Infrastructure Northeast Quadrant is ahead of schedule because the designer expedited schedule. Previously reported, now under construction.

Electrical Distribution Expansion is ahead of schedule because the design went faster than anticipated and the thoroughness of the submissions enabled the project to get ahead of schedule.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

Established web-based project management system to facilitate delivery of information to all project contractors simultaneously and provide a repository of project information. The system includes a web camera function that provides a photographic record of the project's progress and makes it available on the University's home page.

The University of North Carolina at Greensboro

Infrastructure - Northeast Quadrant

Bond Funds \$6,825,200

Other Sources \$0

Total Project Budget \$6,825,200

Scope: This project will significantly improve campus safety, providing pedestrian walkways, lighting, and call-box security for an extended distance through undeveloped areas. Also included are pedestrian and vehicular access to the new music building, located outside the campus academic core, and campus entrance changes from an off-campus peripheral road to a campus street, reducing risks caused by increased traffic flow.

Designer: Kimley-Horn and Associates, Raleigh, NC

Construction Type/Contractor(s): Single-prime

General Contractor, McIver St.: P.F. Plumbing, Inc., Winston-Salem, NC

General Contractor, NE Quadrant: J.H. Allen, Asheboro, NC

Status and Next Major Milestone: Design complete. There are two phases, one for McIver St. and one for Northeast Quadrant. Currently both are in contract award phase. Anticipate construction to commence May 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	11/17/00	5/28/03										
# Construction	2/20/03	6/24/04										
# Finish	6/24/04	6/24/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$7,115	\$33,225	\$568,144	\$608,484	\$5,999,590	0.1%	0.6%	9.5%	10.2%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Greensboro

McIver Chiller Plant Expansion and Improvements

Bond Funds \$6,825,200

Other Sources \$0

Total Project Budget \$6,825,200

Scope: This project expands an existing chiller plant to replace, in a number of campus buildings, chillers that are well beyond expected service life and which use ozone layer depleting refrigerant (no longer manufactured). Two 1,875-ton chillers, two 1,500-ton cooling towers, and all of the piping, pumps, building connections, and associated infrastructure will be installed. The work will constitute the final build-out of the 6,000-ton plant. The project is being completed in phases.

Designer: Affiliated Engineers, Chapel Hill, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Encompass Mechanical Services, Raleigh, NC

Status and Next Major Milestone: Phase I construction complete. Phase II construction is currently at 65% complete. Phase III has awarded with construction to start May 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/17/00	5/30/03										
Construction	2/12/02	5/3/04										
Finish	5/3/04	5/3/04					☆☆ 5/3					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$266,795	\$1,398,299	\$0	\$1,665,094	\$6,940,251	3.9%	20.1%	0.0%	24.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Greensboro

Science Instructional Building - Replacement of Petty Science Building

Bond Funds \$44,472,155

Other Appropriations \$3,290,045

Other Sources \$0

Total Project Budget \$47,762,200

Scope: This new building will house Chemistry and Biology departments. It replaces obsolete classrooms and chemistry laboratories in the 1939 Petty building and provides additional classroom and laboratory space for the rapidly growing biology program.

Designer: O'Brien Atkins, Research Triangle Park, NC

Construction Type/Contractor(s): Multi-prime

General Contractor: Beers Construction Co., Winston-Salem, NC

Electrical: Starr Electric Co., Greensboro, NC

Plumbing: Cam-Ful Industries, Inc., Pineville, NC

HVAC: Biemann and Rowell Co., Raleigh, NC

Status and Next Major Milestone: Construction phase is currently at 88% complete. Anticipate completion May 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	10/6/98	3/20/01										
Construction	3/21/01	5/28/03										
Finish	5/28/03	5/28/03				★ 5/28						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$52,962	\$803,655	\$0	\$856,617	\$32,650,119	0.2%	2.4%	0.0%	2.6%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Greensboro

Stone Classroom Building - Comprehensive Renovation

Bond Funds \$ 8,930,400

Other Sources \$0

Total Project Budget \$ 8,930,400

Scope: This renovation consists of modernizing obsolete spaces for both laboratories and classrooms; making significant changes to comply with building code and Americans with Disabilities Act requirements; replacing plumbing, mechanical and electrical systems; and repairing serious waterproofing problems in the building shell and foundations.

Designer: **Window Replacement**
Sutton Kennerly, Greensboro, NC

Comprehensive Renovation
Pearce Brinkley Cease & Lee, Raleigh, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Lomax Construction Co. Greensboro, NC

Status and Next Major Milestone: Window replacement complete. Main renovation design currently in CD production. Anticipate CD package submission to state agencies in July 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	3/2/01	1/2/04										
# Construction	1/5/04	1/31/05										
# Finish	1/31/05	1/31/05										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$199,800	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Greensboro

Technology Infrastructure Expansion

Bond Funds \$4,101,300

Other Sources \$5,600,838

Total Project Budget \$9,702,138

Scope: This project provides continuing funding to complete a project that is fully designed with first phase currently under construction. Provides glass fiber backbone to connect all campus buildings and provides data-port connections. All portions of the project completely meet UNC system wide specifications.

Designer: Engineering Associates, Inc., Atlanta, GA

Construction Type/Contractor(s): Multi/prime

Phase 8307 Infrastructure Expansion

General Contractor: H.M. Kern, Greensboro, NC

Electrical: Commercial Construction, Greensboro, NC

Asbestos: Enpuricon Inc., Apex, NC

Phase 8310 Infrastructure Expansion

General Contractor: H.M. Kern, Greensboro, NC

Status and Next Major Milestone: Construction phases I – IV competed. Last phase under construction, anticipate completion August, 2003.

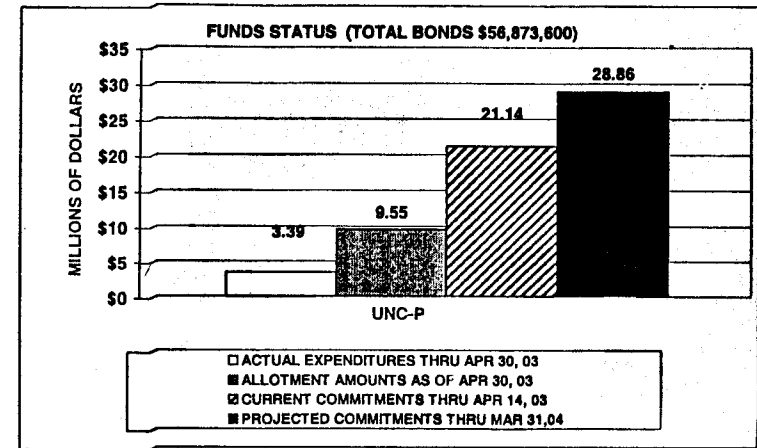
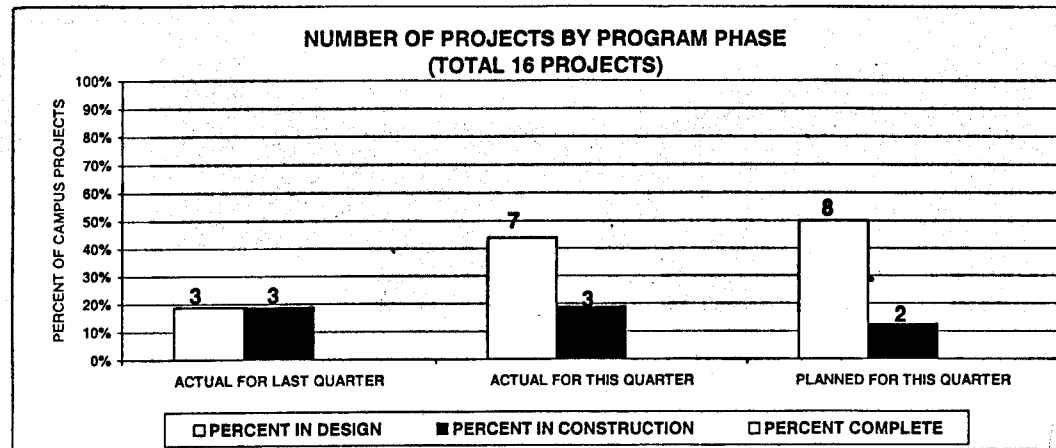
Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/7/00	12/18/01										
Construction	12/19/01	8/1/03										
Finish	8/1/03	8/1/03				★	★ 8/1					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$50,000	\$0	\$558	\$50,558	\$1,293,335	3.9%	0.0%	0.0%	3.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Jones Physical Education Complex - Comprehensive Renovation	\$8,243,700		\$8,243,700		CM at Risk					
Replace Physical Plant Complex	\$5,656,000		\$5,656,000	\$4,463,195	\$3,764,611	\$698,584	0.2%	0.5%	22.0%	22.7%
Science Building combined with Oxendine Science Building - Comprehensive Renovation	\$9,408,000		\$17,440,600	\$13,631,855	\$13,302,367	\$329,488				
TOTAL RESERVES	\$8,032,600					\$1,028,072	Pending award of bid package			
TOTAL HUB DATA FOR INSTITUTION							0.3%	0.5%	21.9%	22.7%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings.
In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS:

Locklear Hall, D.F. Lowry Classroom, Business Administration Building, Moore Classroom Hall, Residence/Dining Hall, and West Residence Hall schedules reflect acceleration. Previously reported.

Replace Physical Plant is ahead of schedule because the designer was aggressive on their designs along with shortened internal reviews. Currently under construction and started eight (8) months ahead of baseline schedule.

Renovation Former Physical Plant Designer is aggressive on schedule. Previously reported.

Primary Electrical Distribution was delayed to perform an infrastructure study on future growth and needs. Previously reported.

Technology Infrastructure Expansion equipment purchases occurred ahead of schedule to take advantage of lower equipment prices. Previously reported.

Campus Infrastructure Improvements is accelerated. Previously reported.

Campus Water Distribution Upgrades was delayed because of the lack of water pressure in the existing system, this required upgrades to existing g system before bond work could begin. Previously reported.

BUDGET EXCEPTIONS: None

Last Updated 5/12/2003

UNC Bond Program

The University of North Carolina at Pembroke

Replace Physical Plant Complex

Bond Funds \$5,656,000

Other Sources \$0

Total Project Budget \$5,656,000

Scope: This project will provide funding for a new Physical Plant, associated shops, landscaping, recycling and refuse handling, and surplus storage facilities. The plant will be relocated to comply with the campus Master Plan.

Designer: Pease Associates, Charlotte, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Adams & Britt, Proctorville, NC

Status and Next Major Milestone: Design complete. Twelve-month construction project just commenced March 2003.

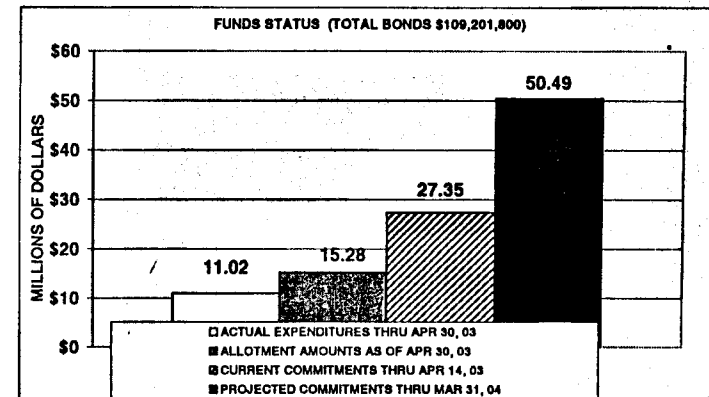
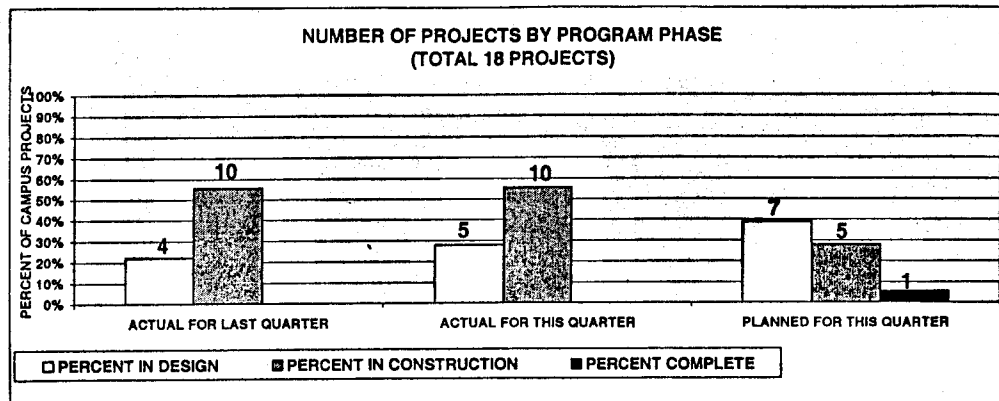
Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	10/30/01	3/28/03										
# Construction	3/31/03	4/12/04										
# Finish	4/12/04	4/12/04					★ 4/12 ☆					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$6,000	\$20,000	\$848,600	\$874,600	\$3,853,600	0.2%	0.5%	22.0%	22.7%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Academic and Classroom Facilities*	\$32,746,850		\$32,746,850		CM at Risk					
Site Clearing			\$61,360	N/A	\$61,360		0.0%	100.0%	0.0%	100.0%
Building			\$25,796,202							
Design, Contingency, Equipment, etc.			\$6,889,288							
			\$32,746,850							
Academic Support Facilities & Computing Center*	\$4,585,900	\$322,500	\$4,908,400							
Printing Services		\$82,500	\$389,100	\$389,100	\$324,000	\$65,100	0.0%	14.1%	0.0%	14.1%
Warehouse		\$240,000	\$821,795	\$848,730	\$799,869	\$48,861	0.8%	7.6%	0.7%	9.1%
Hoggard Addition (Computer Ctr.)			\$3,216,605							
Design, Contingency, Equip., etc.			\$480,900							
			\$4,908,400							
Alderman Hall Classroom Building - Comprehensive Renovation*	\$2,569,800		\$2,569,800							
Portico Replacement/ ADA Comp.			\$162,705	N/A	\$162,229	\$0	0.0%	0.0%	0.0%	0.0%
Alderman Hall Classroom Bldg.			\$1,843,973							
Design, Contingency, Equip., etc.			\$563,122							
			\$2,569,800							

University of North Carolina at Wilmington

Institutional Summary

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
General Classroom Building*	\$12,647,000	\$100,000	\$12,747,000		CM at Risk					
Storm Drainage Improvements			\$175,000	\$175,000	\$180,480	-\$5,480	0.0%	100.0%	0.0%	100.0%
General Classroom Building			\$10,079,650							
Design, Contingency, Equip., etc.			\$2,492,350							
			\$12,747,000							
Infrastructure Expansion/**	\$4,835,990	\$105,250	\$4,941,240							
Infrastructure Expansion - Phase I Utilities, Reigel/Woodale new Meter			\$208,450	\$190,350	\$192,000	-1,650.00	0.0%	0.8%	0.0%	0.8%
Infrastructure Expansion - Phase II Utilities			\$660,900	\$702,005	\$666,800	\$35,205	0.0%	5.1%	0.0%	5.1%
Infrastructure Expansion - Phase III Central Energy Plant			\$2,700,000							
Utility Studies			\$205,218							
Design, Contingency, Equip., etc.			\$1,166,672							
			\$4,941,240							
Kenan Auditorium - Comprehensive Renovation*	\$2,661,753		\$2,661,753							
Phase 1, Seat Replacements			\$268,200	N/A	\$244,977	\$0	0.0%	0.0%	0.0%	0.0%
Phase 1B, ADA Compliance			\$105,126	N/A	\$105,126	\$0	0.0%	0.0%	0.0%	0.0%
Kenan Auditorium Renovation			\$1,790,013							
Design, Contingency, Equip., etc.			\$498,414							
			\$2,661,753							
Primary Electrical Distribution System Improvements*	\$2,317,950	\$85,800	\$2,403,750	\$159,500						
Replace Campus Transformers			\$126,782	N/A	\$102,813		0.0%	0.0%	0.0%	0.0%
Primary Electrical Dist. System			\$1,720,425	\$2,046,032	\$1,720,425	\$325,607	2.9%	10.0%	0.0%	12.9%
Design, Contingency, Equip., etc.			\$556,543							
			\$2,403,750							
School of Education Building*	\$19,676,050	\$744,200	\$20,420,250							
Site Clearing			\$37,580		\$37,580		0.0%	25.5%	0.0%	25.5%
Building			\$14,158,172	\$14,770,759	\$12,292,000	\$2,478,759	0.0%	14.9%	0.4%	15.3%
Design, Contingency, Equip., etc.			\$6,224,498							
			\$20,420,250							

University of North Carolina at Wilmington

Institutional Summary

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Swing Space*	\$1,500,000		\$1,500,000							
Site Clearing			\$4,850	N/A	\$4,850	\$0	0.0%	100.0%	0.0%	100.0%
Building			\$1,349,870	\$1,300,000	\$998,485	\$301,515	0.0%	10.9%	1.3%	12.3%
Design, Contingency, Equipment, etc.			\$145,280							
			\$1,500,000							
Technology Infrastructure Expansion*	\$2,949,000		\$2,949,000							
Equipment, wiring, and related purchases			\$1,467,440	N/A	\$1,467,440	\$0	0.0%	4.6%	0.0%	4.6%
Additional phases			\$1,481,560							
			\$2,949,000							
TOTAL VARIANCES						\$3,247,917				
TOTAL HUB DATA FOR INSTITUTION							0.3%	13.2%	0.3%	13.9%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings.

In like manner, non-bond funding contributions may be reduced.

**Bond funding shown reflects transfers between bond projects.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or Completion later than date needed; design / construction 10%+ or behind)

Marine Sciences Research Center is not yet started and has been identified as having potential for schedule revisions. Any variances from the baseline schedule will be reported as this project commences.

Infrastructure Expansion project has been delayed pending completion of relevant studies of storm water drainage, water, electrical, gas distribution, and sewer capacity. Previously reported. Currently Phase II and Reigel are under construction.

Land Acquisition delay resulted from adding an additional piece of property to the schedule which was not reflected in the original plan. Previously reported.

Academic and Classroom Facility is behind baseline schedule because the project site selection process took longer than anticipated.

King Hall Renovation is behind baseline schedule because the first designer didn't work out. The project has restarted with a new design team.

Hoggard Hall Renovation is behind baseline schedule because a central plant study delayed the design. The central plant idea was adopted and design is now moving forward.

Westside Hall Renovation is behind baseline schedule because scope was added to the project through non bond funding. This required additional design and lengthened the original design schedule.

Kenan Hall Classroom Building is behind baseline schedule at this time. It is expected that the construction manager for the project will rework the schedule and bring it back to the original completion date.

Primary Electrical Distribution System Improvements is behind schedule because the project was broken into many phases.

Technology Infrastructure is ahead of schedule because it's mostly equipment purchases and very little construction.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

A plan file has been established in the University library to provide contractors with access to design documents on nights and weekends and increase opportunities for broader bidder participation.

University of North Carolina at Wilmington

Institutional Summary

A special designator has been developed for flagging construction project purchase orders to improve tracking of these projects and reporting of Historically Underutilized Business (HUB) participation.

During project planning for renovations, wall probes, pipe cross-section analysis and video surveys are completed of sewer and leader lines all the way to the mains. This prevents "unforeseen condition" change orders in the subsequent construction.

The University of North Carolina at Wilmington

Academic and Classroom Facilities

Bond Funds \$33,032,100

Other Sources \$0

Total Project Budget \$33,032,100

Scope: This building will house six academic disciplines in Art and Theatre, Music, Creative Writing and Film Studies. The departments and programs will share classrooms, seminar rooms, a distance learning facility, computer labs, a film editing lab, practice and rehearsal rooms, and performance and exhibit venues. Every student earning a four-year degree will use this building either through basic studies requirements or major/minor requirements.

Designer: Jenkins Peer Architects, Charlotte, NC

Construction Type/Contractor(s): CM at Risk

Construction Manager: Rogers Builders, Charlotte, NC

Status and Next Major Milestone: Site Clearing is ????? CM at Risk Project. DD design is currently in state agencies review cycle. Anticipate CD production to start May 2003. Creative Arts Site Clearing is underway.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/22/00	7/19/04										
Construction	7/20/04	12/30/05										
Finish	12/30/05	12/30/05										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$61,360	\$0	\$61,360	\$31,360	0.0%	100%	0.0%	100%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Wilmington

Academic Support Facilities and Computing Center

Bond Funds \$4,585,900

Other Sources \$315,000

Total Project Budget \$4,900,900

Scope: This facility will provide faculty and graduate students with high-end technology network, technical support, simulation, and production capabilities.

Designer:

Printing J. Clark Hipp, Wilmington, NC
Warehouse McKim & Creed, Wilmington NC

Construction Type/Contractor(s): Single Prime

Printing

General Contractor: All Span Building Systems, Wilmington, NC

Warehouse

General Contractor: John S. Clark Company, Wilmington, NC

Status and Next Major Milestone: Print shop construction anticipate completion April 2003. Warehouse construction anticipate completion May 2003. Academic Support Facility DD package has been submitted for state agencies review. Anticipate CD production to start August 2003.

Schedule:

C	Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
#	Design	11/24/00	11/6/03										
#	Construction	10/2/02	10/1/204										
#	Finish	10/1/204	10/1/204										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$6,000	\$109,900	\$5,500	\$122,000	\$1,152,347	0.6%	9.5%	0.5%	10.6%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Wilmington

Alderman Hall Classroom Building – Comprehensive Modernization

Bond Funds \$2,940,800

Other Sources \$0

Total Project Budget \$2,940,800

Scope: One of the first three buildings constructed at UNCW Alderman Hall will be renovated to meet current construction codes. The floor plan will be updated to meet current administrative needs; heating, ventilation, and air conditioning systems will be upgraded; alarm and fire suppression systems will be installed; and hazardous materials (asbestos, lead paint, etc.) used in the original construction will be eliminated. The voice and data communications network will be replaced allowing occupants access to higher speed services.

Portico Replacement/ADA Compliance

Designer: Jeffries & Faris Architects, Wilmington, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Stone Montgomery, Wilmington, NC

Status and Next Major Milestone: Phase I Portico & ADA construction is 84% complete, with completion scheduled for April 2003. Phase II Main building design to start in April 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	10/1/01	5/3/06										
Construction	7/1/02	5/18/07										
Finish	5/18/07	5/18/07										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$173,635	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Wilmington

General Classroom Building

Bond Funds \$12,647,000

Other Sources \$100,000

Total Project Budget \$12,747,000

Scope: Additional classroom space and faculty offices are needed for the burgeoning numbers of students in the Cameron School of Business, the Environmental Studies program, the Department of Mathematical Sciences and Statistics, and the Honors Scholars program. Space is inadequate for current enrollments in these programs, which are among those expected to experience continued rapid growth.

Designer:

Storm Drainage Improvement
General Classroom Building

Andrew & Kuske., Wilmington, NC
Boney Architects, Wilmington, NC

Construction Type/Contractor(s):

Storm Drainage Improvement
General Classroom /CM at Risk

Pipeline Utilities, Wilmington, NC
Clancy & Theys, Wilmington, NC

Status and Next Major Milestone: CM at Risk Project. Storm drainage phase is complete. Main project currently in CD production. Anticipate CD package submittal to state agencies review June 2003.

Schedule:

C Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
# Design	11/22/00	10/30/03											
# Construction	3/21/02	3/16/05											
# Finish	3/16/05	3/16/05											

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$180,480	\$0	\$180,480	\$180,480	0%	100%	0%	100%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Wilmington

Infrastructure Expansion

Bond Funds \$4,747,240

Other Sources \$105,250

Total Project Budget \$4,852,490

Scope: Roads, sidewalks, the storm drainage system, water distribution system, and gas distribution system will be expanded and enhanced to accommodate projected student enrollment growth.

Designer:

New Meter Phase

Reigel/Woodale

Utilities

Andrew & Kuske, Wilmington, NC

Central Energy

Wash, Hatem, Nelson Architects, Charlotte, NC

Construction Type/Contractor(s):

New Meter

Thomson & Company, Inc., Wilmington, NC

Utilities

Thomson & Company, Inc., Wilmington, NC

Status and Next Major Milestone: New Meter Phase construction complete. Phase II construction commenced March 2003. Phase III designer selected and anticipate starting combined SD/DD package May 2003.

Schedule:

C Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	4/8/02	11/14/03										
# Construction	1/27/03	6/1/04										
# Finish	6/1/04	6/1/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$35,411	\$0	\$35,411	\$858,800	0.0%	4.1%	0.0%	4.1%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Wilmington

Kenan Auditorium – Comprehensive Modernization

Bond Funds \$3,095,300

Other Sources \$0

Total Project Budget \$3,095,300

Scope: The Sarah Graham Kenan Auditorium serves as classroom, rehearsal, and performance space for the university and the community. It is in a state of extreme wear due to heavy use. The foyer, classroom, house, stage, and backstage areas will be renovated. The handicapped entrance, lighting and safety features will be upgraded, and asbestos removed.

Designer: Jefferies & Faris, Wilmington, NC

Construction Type/Contractor(s): Single-prime

ADA Improvements Phase 1B

General Contractor: Stone Montgomery, Wilmington, NC

Status and Next Major Milestone: Seat Replacement and ADA Improvement construction is complete. Next major milestone: Advertise for Designer on the Auditorium Renovation May 2003.

Schedule:

C Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
# Design	10/1/01	10/17/05										
# Construction	5/14/02	1/18/07										
# Finish	1/18/07	1/18/07								☆☆ 1/18		

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$410,030	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Wilmington

Primary Electrical Distribution System Improvements

Bond Funds \$2,238,200

Other Sources \$0

Total Project Budget \$2,238,200

Scope: Deteriorating rapidly, much of the existing electrical distribution system on the main campus consists of direct buried cable and will be replaced. The system will be expanded to accommodate the University's projected physical growth.

Designer: United Engineering Group, Inc., Charlotte, NC

Construction Type/Contractor(s): Single prime

Transformer Replacement General Contractor:

Harris Electrical, Wilmington, NC

Primary Distribution General Contractor

Barnes & Powell Electrical Co. Wilmington, NC

Status and Next Major Milestone: Transformer replacement complete. Currently the Primary Electrical Distribution is under construction, anticipate completion January 2004.

Schedule:

C	Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
#	Design	10/2/01	12/18/02										
#	Construction	12/19/02	1/16/04										
#	Finish	1/16/04	1/16/04				☆ ★ 1/16						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$50,000	\$172,043	\$0	\$222,043	\$1,853,558	2.7%	9.3%	0.0%	12.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Wilmington

School of Education Building

Bond Funds \$19,755,800
 Other Appropriations \$744,200
 98 Appropriations \$744,200

Other Sources \$0

Total Project Budget \$20,500,000

Scope: Due to the phenomenal growth of the Watson School of Education during the past seven years (42% increase in undergraduate enrollment; 43% increase in graduate enrollment; 520% in certification-only enrollment), coupled with the severe teacher shortage facing North Carolina, this new facility is the top capital priority for UNCW. The 80,500-square-foot building will house the School of Education, the Educational Resource Center, the Office of Service to Public Schools, UNCW's large complement of NC Teaching Fellows, the Principal Fellows Program, the Professional Development System serving southeastern North Carolina public schools, the Center for Teaching Excellence, the Curriculum Materials Center, the Science and Math Education Center, and other support and outreach activities.

Designer: Jenkins Peer Architects, Charlotte, NC

Construction Type/Contractor(s): Single-prime
 General Contractor: Chancel Construction Group, Inc.

Status and Next Major Milestone: Construction is currently at 38% complete. Anticipate completion March 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/4/98	5/2/02										
Construction	5/3/02	3/26/04										
Finish	3/26/04	3/26/04					★ 3/26					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$3,400	\$1,850,838	\$49,745	\$1,903,983	\$12,458,562	0.0%	14.9%	0.4%	15.3%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Wilmington

Swing Space Building

Bond Funds \$1,500,000

Other Sources \$0

Total Project Budget \$1,500,000

Scope: Temporary new metal frame building, 15,000 square feet, to house university personnel and faculty.

Designer: Stewart, Cooper & Newell, Gastonia, NC

Construction Type/Contractor(s):

General Contractor: Hale Building Co., Wilmington, NC

Site Clearing Contractor:

Status and Next Major Milestone: Construction is currently at 3% complete, anticipate completion July 2003

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Design	11/8/01	12/12/02											
Construction	12/13/02	7/23/03											
Finish	7/23/03	7/23/03				★ 7/23							

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$114,125	\$13,180	\$127,305	\$1,003,335	0.0%	11.4%	1.3%	12.7%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

The University of North Carolina at Wilmington

Technology Infrastructure Expansion

Bond Funds \$2,949,000

Other Sources \$0

Total Project Budget \$2,949,000

Scope: Networking and central computing services, key segments of the campus information technology infrastructure, will be upgraded. New facilities will be connected and wired, and new routers, switches, and additional integrated networking locations will be installed. Without these resources, UNCW's commitment to "Universal Access" to the Internet cannot be met.

Designer: In-house

Construction Type/Contractor(s): (Equipment purchases)

Status and Next Major Milestone: Currently purchases are 50% complete. Scheduled completion is September 2004.

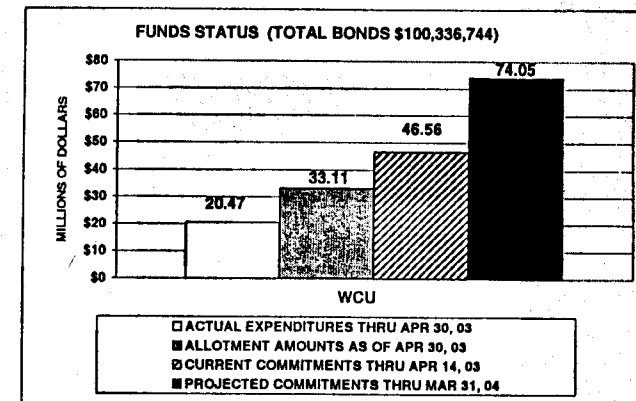
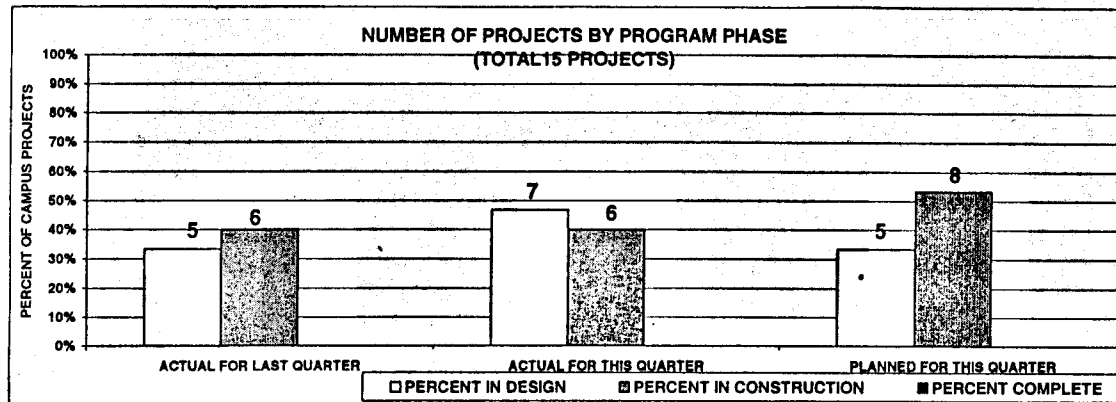
Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/1/98	7/1/01										
Construction	7/2/01	9/30/04										
Finish	9/30/04	9/30/04						★ 9/30				

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$68,077	\$0	\$68,077	\$1,467,440	0.0%	4.6%	0.0%	4.6%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Academic Facilities - Humanities and Fine Arts	\$27,919,644	\$2,611,056	\$30,530,700	\$25,655,000	\$21,165,709	\$4,489,291	1.0%	4.2%	0.0%	5.2%
Chiller Replacement and CFC Retrofit*	\$1,489,600		\$1,489,600							
Hunter Library/NSB Replacement			\$239,881	\$239,881	\$209,975	\$29,906	1.1%	0.0%	0.0%	1.1%
HFR Chiller Replacement			\$249,000	\$266,789	\$165,680	\$101,109	0.0%	0.0%	0.0%	0.0%
Ramsay Activities Center Chiller Replacement			\$736,208							
Design, Contingency, Equip., etc.			\$264,511							
			\$1,489,600							
Housing Facility for 300 Students	\$15,204,600	\$250,000	\$15,454,600	\$12,782,376	\$12,743,962	\$38,414	3.1%	0.0%	0.0%	3.1%

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
McKee Classroom Building - Comprehensive Renovation with	\$5,289,700		\$7,126,200	\$6,085,069	\$4,561,000	\$1,524,069	0.0%	3.7%	5.8%	9.5%
Bird Building - Renovation and Conversion for Student Health Center (combined)	\$1,836,500									
TOTAL VARIANCES						\$8,182,789				
TOTAL HUB DATA FOR INSTITUTION							1.6%	2.6%	0.7%	4.9%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or completion later than date needed; design / construction 10%+ or behind)

Academic Facilities - Humanities and Fine Arts has been delayed because of difficulties with the footings. Soil compaction was insufficient for the larger footings required for a performing arts facility. The delay will ultimately affect the start date for Stillwell because these two projects are inter-related. Previously reported.

Stillwell has been moved earlier in the schedule to exchange places with Forsyth to permit the selection and involvement of a new Business Dean. It will be more appropriate to design Forsyth for Business under the influence of the Dean. Note that Stillwell will not occur as early as it might otherwise, in light of the schedule impact from Fine Arts. Previously reported, status unchanged.

Forsyth has been deferred as noted above. Previously reported.

Old Student Health schedule reflects changes in swing space opportunities that supported expediting of this project. Previously reported.

Breese Gymnasium Conversion is delayed by poor designer performance (failure to meet the design schedule). Previously reported.

Killian Education & Allied Professions Building Renovation has been deferred to incorporate savings from the Stillwell Lab Building Renovation. This will allow a more comprehensive renovation than originally planned. Previously reported.

Housing Facility For 300 Students is delayed because of poor performance by the General Contractor.

Killian Clinic Annex Renovation is behind schedule because of swing space. Waiting for the completion of Bird Building and McKee Classroom to open up that swing space.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

Separation of site work for Fine Arts prior to construction contract for the facility permitted a faster construction start for the building proper.

Western Carolina University

Housing Facility for 300 Students

Bond Funds \$15,204,600

Other Sources \$250,000

Self-Liquidating \$250,000

Total Project Budget \$15,454,600

Scope: This project would provide a 300-bed residence hall, the first of six (6) new facilities needed to house rapidly growing student enrollment.

Designer: Walter, Robbs, Callahan & Pierce, Winston-Salem, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Crossley Construction Corporation, Knoxville, TN

Status and Next Major Milestone: Construction is currently at 20%. Anticipate completion October 2003

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	7/4/00	5/1/02										
Construction	5/2/02	10/31/03										
Finish	10/31/03	10/31/03				★	10/31					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$460,498	\$0	\$0	\$460,498	\$14,694,370	3.1%	0.0%	0.0%	3.1%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Western Carolina University

Academic Facilities – Humanities and Fine Arts

Bond Funds \$27,919,644
 Other Appropriations \$2,611,056
 Other Sources \$0

Total Project Budget \$30,530,700

Scope: This project will provide classrooms, studios, galleries, and support space for more than 300 students majoring in the visual arts and a 1000-seat hall for music and theatrical performances.

Designer: Schenkel-Shultz Architecture, Charlotte, NC
 Graham Gund Architects, Cambridge, MA

Construction Type/Contractor(s): Multi-prime

General Contractor: Hickory Construction Company, Hickory, NC
 Electrical: Emory Electric, Inc., Asheville, NC
 Plumbing: Price & Price Mechanical of N.C., Inc., Arden, NC
 HVAC: Martin Heating and Air Conditioning, Inc., Hendersonville, NC

Status and Next Major Milestone: Construction is currently at 61% complete. Anticipate completion January 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	6/5/01	1/28/02										
Construction	1/29/02	1/12/04										
Finish	1/12/04	1/12/04					☆☆ 1/12					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$204,000	\$892,732	\$0	\$1,096,732	\$21,189,031	1.0%	4.2%	0.0%	5.2%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Western Carolina University

Chiller Replacement and CFC Retrofit

Bond Funds \$1,489,600

Other Sources \$0

Total Project Budget \$1,489,600

Scope: This is the last phase in the University's effort to replace or retrofit air conditioning chillers that presently use chlorofluorocarbon (CFC) refrigerants, which have been identified as ozone depleting chemicals. The new chillers will be twice as energy efficient.

Designer: Phase I Sud Associates, Asheville, NC
Phase II Calloway, Johnson, Moore and West, Asheville, NC

Construction Type/Contractor(s): Single - prime
HVAC: Phase I Haynes Heating and Cooling, Asheville, NC
Phase II Haynes Heating and Cooling, Asheville, NC

Status and Next Major Milestone: Phase I construction at Hunter Library complete. Phase II construction at HFR/Admin complete. Phase III design is currently at CD production. Anticipate CD package submittal to state agencies April 2003.

Schedule:

#	Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
#	Design	12/1/00	8/18/03										
#	Construction	1/10/02	2/16/04										
#	Finish	2/16/04	2/16/04										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$2,270	\$0	\$0	\$2,270	\$375,655	0.6%	0.0%	0.0%	0.6%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Western Carolina University

Infrastructure Improvements (Steam and Electrical)

Bond Funds \$10,639,000

Other Sources \$0

Total Project Budget \$10,639,000

Scope: This multi-faceted project will upgrade older sections of the campus steam and condensate distribution system, and improve traffic and pedestrian traffic patterns. The scope of work includes replacing overhead electrical distribution lines that are up to 40 years old with an underground distribution system, providing above ground switching gear, relocating through-streets that presently bisect the campus, constructing related parking areas, and improving pedestrian safety by constructing pedestrian corridors linking the lower and upper areas of campus.

Designer: Woolpert, LLP, Charlotte, NC; RMF Engineering, Raleigh, NC;
Booth and Associates, Raleigh, NC

Construction Type/Contractor(s): Single-prime
General Contractor: Quate Industrial Service, Inc., Durham, NC

Status and Next Major Milestone: Steam Phase is currently awarding construction contract. Anticipate construction to start May 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	5/14/01	7/19/04										
Construction	5/28/03	7/19/05										
Finish	7/19/05	7/19/05										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$0	0.0%	0.0%	0.0%	0.0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Western Carolina University

McKee Classroom Building – Comprehensive Renovation and Bird Building – Renovation and Conversion Student Health Center

Bond Funds **\$7,126,200**

Other Sources **\$0**

Total Project Budget **\$7,126,200**

Scope: McKee Hall was built in 1939 to house a primary and secondary laboratory school. Its classrooms are not configured for collegiate instruction, the electrical wiring will not support today's equipment power demands, the building does not have an elevator, and its third floor does not provide required Americans with Disabilities Act access. Water intrusion makes some ground floor rooms virtually unusable. General renovation of the building will provide instructional space for History and Modern Foreign Languages and for academic advisement and student support services.

Scope: Bird, an administrative building, will be renovated and converted to house the Student Health Center. The building will be rewired with current electrical and information technology systems, air conditioning installed, and spaces reconfigured. The second floor will be renovated to meet Americans with Disabilities Act requirements.

Designer: Woolpert, LLP

Construction Type/Contractor(s): Single-prime
General Contractor: Denark Construction, Inc.

Status and Next Major Milestone: Construction currently 90% complete. Anticipate completion May 2003.

Schedule:

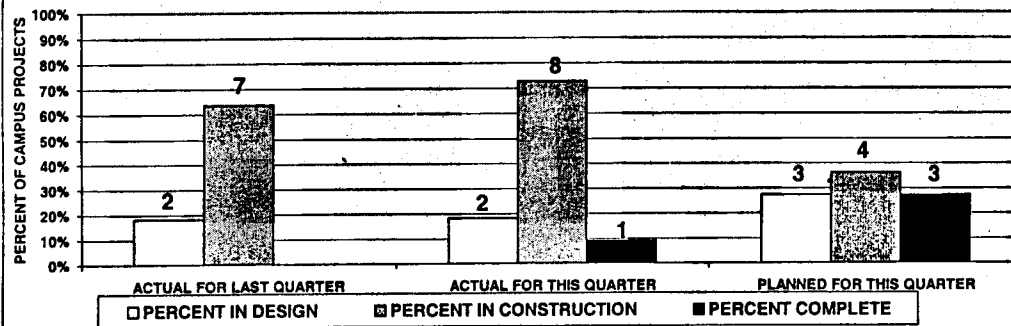
Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/17/00	4/18/02										
Construction	4/19/02	5/13/03										
Finish	5/13/03	5/13/03				★ 5/13						

HUB Participation:

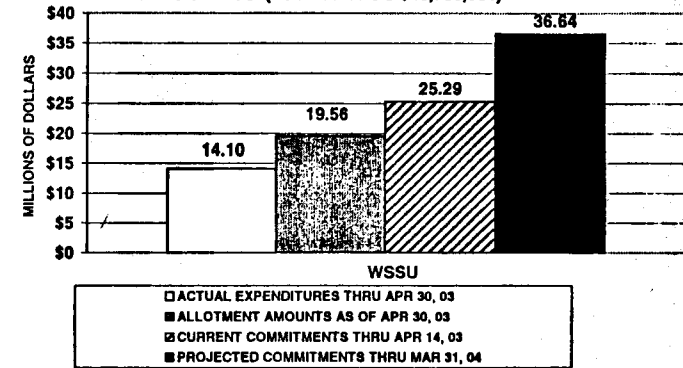
\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$174,656	\$277,500	\$452,156	\$4,755,650	0.0%	3.7%	5.8%	9.5%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

NUMBER OF PROJECTS BY PROGRAM PHASE
(TOTAL 11 PROJECTS)



FUNDS STATUS (TOTAL BONDS \$46,786,581)



PROJECTS BID TO DATE

HUB PARTICIPATION

PROJECT NAME	BOND PROJECT BUDGET	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Anderson Center Comprehensive Renovation & Change of Use*	\$6,917,900	\$1,456,700	\$8,374,600							
Phase I - Early Childhood			\$1,498,125							
Phase II - Renovations for Geront.			\$323,000	\$119,770	\$95,100	\$24,670	100.0%	0.0%	0.0%	100.0%
Phase III - Anderson Ctr. Renovat.			\$3,586,385							
Wing C and Misc. Areas			\$1,356,434	\$1,356,020	\$1,356,020	\$0	0.0%	0.0%	0.0%	0.0%
Wing C Ground Flr. Bathroom Ren.			\$38,050	\$28,000	\$38,050	-\$10,050	100.0%	0.0%	0.0%	100.0%
Design, Contingency, Equip., etc.			\$1,572,606							
			\$8,374,600							
Computer Science Facility - Replacement and Consolidation	\$11,993,841	\$700,000	\$12,693,841	\$9,584,289	\$8,249,682	\$1,334,607	0.0%	6.4%	5.4%	11.8%
F.L. Atkins Additions and Renovations	\$4,159,840	\$1,038,660	\$5,198,500	\$4,416,288	\$4,300,085	\$116,203	12.0%	3.2%	0.0%	15.2%
Furniture Purchase				N/A	\$88,037		100.0%	0.0%	0.0%	100.0%

Winston - Salem State University

Institutional Summary

PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND PROJECT BUDGET	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)	AFR. AM.	WBE%	OTHER%	TOTAL
Infrastructure Improvements*	\$2,358,300		\$2,358,300				5.5%	16.5%	5.1%	27.2%
Demolition (Colson and Alumni)			\$244,233	\$249,689	\$224,233	\$25,456	100.0%	0.0%	0.0%	100.0%
Infrastructure			\$1,636,232	\$1,636,232	\$1,539,832	\$96,400				
Design, Contingency, Equip., etc.			\$477,835							
			\$2,358,300							
Physical and Life Sciences Building - Replacement of Hill Hall	\$12,109,500		\$12,109,500	\$9,003,800	\$9,309,000	-\$305,200	Pending Award of Bid Packages			
Replace Underground Steam & Hot Water Piping and Chilled Water Loop System	\$1,684,500	\$2,336,156	\$4,020,656		\$3,062,061		0.0%	10.1%	0.1%	10.2%
TOTAL VARIANCES						\$1,450,810				
TOTAL HUB DATA FOR INSTITUTION							5.6%	6.5%	2.8%	14.8%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings.
In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS:

Anderson Center Comprehensive renovations is behind schedule because the master plan suggested changes to the early childhood center and keeping gerontology in Coltrane Hall, this kept the design from starting. Pending approval of scope change.

Health Center Building is ahead of baseline schedule because State Construction issued the award letter and construction contract quicker than anticipated.

Infrastructure Improvements is behind baseline schedule because it was broken into 2 phases. The 2nd phase was rescheduled to start in the summer to minimize disruption to pedestrian traffic.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

Bond funding of both steam and chilled water infrastructure projects provided an opportunity to gain economies of scale by combining these activities for trenching savings and minimization of campus disruption.

Also did site grading and parking for the Physical and Life Sciences project in concert with the Computer Science Facility, which permitted the University to gain economies of scale, provide parking ahead of schedule, minimize campus disruption and save 10% on the anticipated cost.

Winston-Salem State University

Anderson Center – Comprehensive Renovation and Change of Use for Early Childhood/Gerontology Programs

Bond Funds	\$6,917,900
Other Appropriations	\$1,456,700
Total Project Budget	\$8,374,600

Scope: The project includes renovations to building segments not previously renovated and a 7,000-square-foot addition for the Early Childhood program. In addition, the scope of work includes modernization of mechanical, electrical and plumbing building systems; life safety systems; asbestos abatement; accessibility upgrades; instructional support equipment; and stream stabilization of a segment of Salem Creek.

Designer:

Anderson Phase II Gerontology
Wing C & Misc. Areas
Wing C Ground Floor Bathroom Renovation
Phase III

Lee, Nichols, Hepler, Charlotte, NC
Anthony V. Hunt and Assoc.
Warren Alexius Campbell, Greensboro, NC
Lee, Nichols, Hepler, Charlotte, NC

Construction Type/Contractor(s): Multi/prime

Wing C & Misc. Areas
Mechanical:
Electrical:
Plumbing:

General Contractor:
Pearl Building, Co., Greensboro, NC
Holcomb Brothers, Elkin, NC
Watson Electric, Winston-Salem, NC
Crutchfield Plumbing, Greensboro, NC

Construction Type/Contractor(s): Single - prime

Wing C Ground Floor Bathroom
Anderson Phase II Gerontology

Benjamin Contracting, Winston-Salem, NC
Premier Design Builders, Winston-Salem, NC

Status and Next Major Milestone: Gerontology Project and Wing C Misc. Area 100% complete. Early Childhood Development Center design is 75% complete with CD production. CD package submittal to state agencies scheduled for April 2003. Phase III Renovations scheduled for Schematic Design starting in April 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/15/00	4/9/04										
Construction	7/3/02	5/9/05										
Finish	5/9/05	5/9/05						★ 5/9				

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$146,215	\$0	\$0	\$146,215	\$1,502,649	9.7%	0.0%	0.0%	9.7%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Winston-Salem State University

Computer Science Facility – Replacement and Consolidation

Bond Funds **\$11,993,841**

Other Sources **\$700,000**

98 Appropriations **\$700,000**

Total Project Budget **\$12,693,841**

Scope: This new 63,000 square foot facility will allow computer science academic programs to be consolidated in one location with adequate space and support systems. The programs currently are housed in three scattered spaces inadequate to support this quickly growing program, which is crucial to the University's continued student growth.

Designer: Clark Nexsen, Charlotte, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Clancy & Theys Construction Company, Raleigh, NC

Status and Next Major Milestone: Construction currently at 56%. Anticipate completion August 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	5/29/00	4/15/02										
Construction	4/16/02	8/13/03										
Finish	8/13/03	8/13/03				★ 8/13						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$534,390	\$455,000	\$989,390	\$8,389,015	0.0%	6.4%	5.4%	11.8%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Winston-Salem State University

F. L. Atkins Additions and Renovations

Bond Funds \$4,159,840
 Other Appropriations \$1,038,660
 97 Appropriations \$1,038,660

COMPLETED

Other Sources \$0

Total Project Budget \$5,198,500

Scope: The F. L. Atkins addition and renovation project included a 32,000 square foot addition plus a 11,000 square foot renovation of the existing Health Sciences Building.

Designer: Freelon Group, Durham, NC

Construction Type/Contractor(s): Multi-prime

General Contractor: R. L. Casey, Inc., Greensboro, NC

Electrical: Decoe, Inc., Elkin, NC

HVAC: Caryl Mechanical, Inc., Indian Trail, NC

Plumbing: Holcomb Brothers, Inc., Elkin, NC

Status: Construction completed in October 2002, within budget and 3 months behind baseline schedule.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	5/29/00	4/18/01										
Construction	4/19/01	10/11/02										
Finish	10/11/02	10/11/02				☆☆ 10/11						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$617,945	\$142,725	\$0	\$760,670	\$4,505,381	13.7%	3.2%	0.0%	16.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Winston-Salem State University

Infrastructure Improvements

Bond Funds \$2,358,300

Other Sources \$0

Total Project Budget \$2,358,300

Scope: Colson Hall and the Alumnae Building will be demolished and service utilities removed to prepare the site for other use.

Designer: Woolpert, LLP, Charlotte, NC

Construction Type/Contractor(s): Single-prime
General Contractor: P & J Construction, Baltimore, MD

Status and Next Major Milestone: Early demolition package complete. Currently awarding construction contract. Anticipate starting construction June 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	3/1/01	6/2/03										
Construction	6/12/02	5/4/04										
Finish	5/4/04	5/4/04					★ ★ 5/4					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$311,450	\$254,750	\$78,450	\$644,650	\$1,766,282	17.6%	14.4%	4.4	36.4%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Winston-Salem State University

Physical and Life Sciences Building – Replacement of Hill Hall

Bond Funds \$12,109,500

Other Sources \$248,000

Self-Liquidating \$248,000

Total Project Budget \$12,357,500

Scope: This building will replace Hill Hall, which would be more expensive to renovate for science instruction. The facility will include new classrooms, laboratories, and offices for the departments of Physical Sciences and Life Sciences.

Designer: Calloway Johnson Moore & West, Winston-Salem, NC

Construction Type/Contractor(s): CM at Risk

General Contractor: Beers Skanska Construction Group, Winston-Salem, NC

Status and Next Major Milestone: GMP was awarded 3/19/03. Now in the process of bidding subcontracts.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/15/00	4/8/03										
Construction	4/9/03	6/30/04										
Finish	6/30/04	6/30/04										

HUB Participation: HUB participation data will be added when subcontracts are awarded.

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

Winston-Salem State University

Replace Underground Steam and Hot Water Piping and Chilled Water loop System

Bond Funds \$4,020,656

Other Sources \$2,336,156

Total Project Budget \$6,356,812

Scope: Critical sections of underground steam and hot water distribution systems that have deteriorated beyond feasible repair will be replaced. A central chiller plant and a chilled water loop will be installed to connect several buildings for air conditioning efficiency. Current stand-alone chillers have exceeded their life expectancy and use a type freon no longer permitted by code.

Designer: RMF Engineering, Inc., Durham, NC

Construction Type/Contractor(s): Single-prime

General Contractor: Mid Atlantic Infrastructure Services, Winston-Salem, NC

Status and Next Major Milestone: Construction completion April 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/15/00	5/1/02										
Construction	5/2/02	4/16/03										
Finish	4/16/03	4/16/03				★ 4/16						

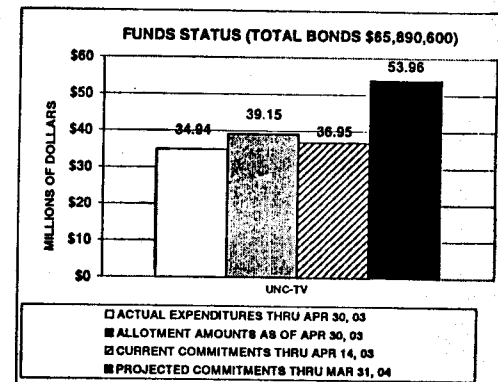
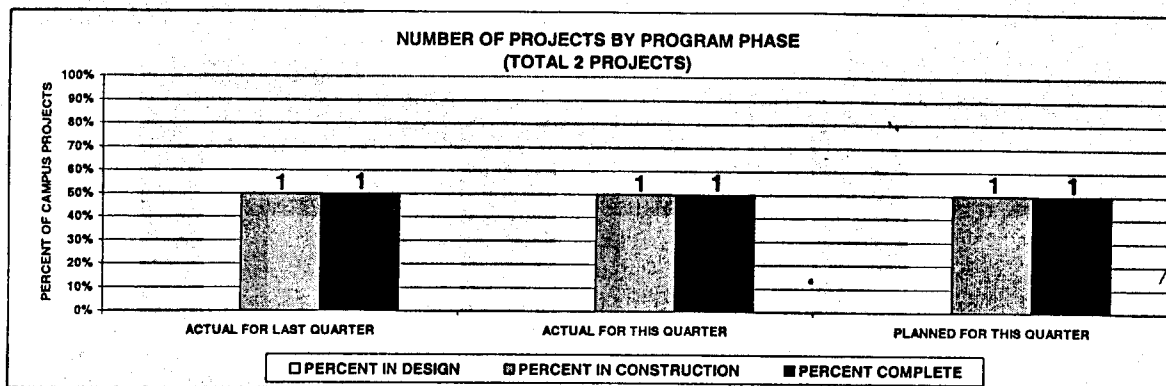
HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$308,996	\$4,050	\$313,046	\$3,062,061	0.0%	10.1%	0.1%	10.2%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Center for Public Television

Institutional Summary



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Digital Conversion*	\$64,995,000	\$1,100,000	\$66,095,000							
DTV Building Renovations			\$1,963,536	N/A	\$1,963,536		6.0%	17.0%	0.0%	23.0%
WUNK-DT Tower, Farmville			\$2,391,171	N/A	\$2,391,171		1.2%	0.0%	0.0%	1.2%
WUNJ-DT Tower, Delco			\$1,889,850	N/A	\$1,889,850		0.0%	0.4%	0.0%	0.4%
Transmitter Site Equipment			\$12,095,298							
Program Origination Equipment			\$8,451,066							
Mobile Production Equipment			\$3,281,600							
Out-of-Core Reconciliation			\$8,000,000							
Studio Production Equipment			\$8,277,634	N/A						
Post-Production Equipment			\$6,197,377	N/A						
Field Equipment			\$3,855,700	N/A						
Design, Contingency, Equip., etc.			\$9,691,768							
			\$66,095,000							
Mobile Satellite Uplink (Truck)	\$895,600		\$895,600	\$895,600	\$888,100	\$7,500	0.0%	0.0%	0.0%	0.0%
TOTAL VARIANCES						\$7,500				
TOTAL HUB DATA FOR INSTITUTION							2.1%	4.8%	0.0%	6.9%

* Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS: (Criteria: Delay jeopardizes another project or Completion later than date needed; design / construction 10%+ or behind)

Digital Conversion project is being delayed to ensure the production and broadcast equipment installed will be the most current and established technology. The current market for this equipment is just developing with the initial products coming to market. Previously reported.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS:

The building modifications necessary to install the new digital equipment were combined into a single bidding package and bid single prime in order to improve coordination. This has allowed the timely modification of the eight facilities involved, while maintaining current broadcast operations.

UNC Center for Public Television

Digital Conversion

Bond Funds	\$64,995,000
Other Sources	\$1,211,417
Total Project Budget	\$66,206,417

Scope: This project will fund UNC-TV's federally mandated conversion to digital television (DTV). UNC-TV must convert 11 transmitters and its studio equipment to DTV by May 2003 by order of the Federal Communications Commission. Failure to comply with this order will result in loss of the license to broadcast. With DTV UNC-TV will be able to offer four or more channels of educational and informational programming, as well as high-definition pictures with startling clarity and six-channel CD-quality sound. Digital technology will also permit UNC-TV to provide data casting services, which can combine standard video content with Internet-style text and graphics ideal for documentary and educational programming.

Designer:

DTV Implementation Building Mods	Architektur PA, Raleigh, NC
Channel 39 Tower	Architektur PA, Raleigh, NC
Channel 25 Tower	Architektur PA, Raleigh, NC
Bryan Center Renovations Phase II	Davis Kane Architects, Raleigh, NC

Construction Type/Contractor(s): Single-prime

DTV Implementation Building Mods:	A&M Construction Co., Raleigh, NC
Channel 25 Tower	Electronics Research, Inc, Raleigh, NC
Channel 39 Tower	Radian Communications Service, Inc., Oakville, ON, CAN
Bryan Center Renovations Phase II	Recon Corporation

Status and Next Major Milestone: Construction currently at 78% complete. Anticipate completion February 2005. Equipment purchases are deferred pending the upgrade in technology.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	7/1/2000	2/1/01										
Construction	2/2/01	2/23/05										
Finish	2/23/05	2/23/05					★	★ 2/23				

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$161,798	\$371,699	\$0	\$533,497	\$6,818,182	2.4%	5.4%	0.0%	7.8%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Center for Public Television

Mobile Satellite Uplink

Bond Funds \$895,600

Other Sources \$0

Total Project Budget \$895,600

COMPLETED

Scope: This project funded UNC-TV's federally mandated conversion to digital television (DTV). The mobile satellite uplink will allow UNC-TV to bring coverage of many more significant events from remote locations throughout North Carolina to its statewide audience. Together, these improvements will allow UNC-TV to bring greatly enhanced value to every citizen of the state.

Designer: In-house

Construction Type/Contractor(s):

Vendor: Frontline Communications, Inc.

Status: Completed within budget and on schedule.

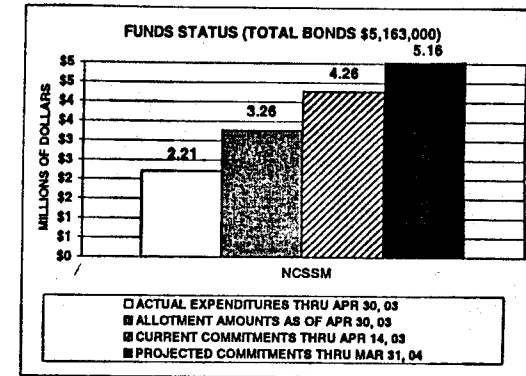
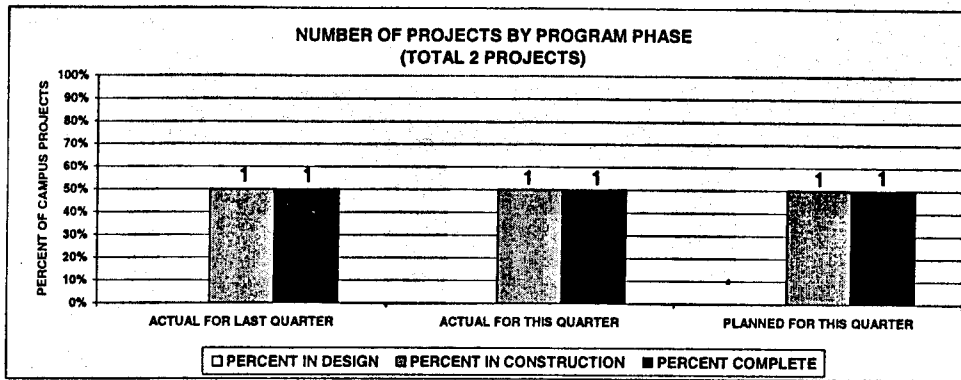
Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/8/00	5/22/01										
Construction	5/23/01	11/5/01										
Finish	11/5/01	11/5/01										

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$895,600	0.4%	0.0%	0.0%	0.4%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Comprehensive Renovation of Bryan Center*	\$3,172,600		\$3,172,600							
Phase IIA			\$225,240	\$287,240	\$225,859	\$61,381	0.0%	2.6%	0.0%	2.6%
Phase II B			\$2,389,000	\$2,981,206	\$2,265,410	\$715,796	0.0%	10.7%	0.0%	10.7%
Design, Contingency, Equip., etc.			\$558,360							
			\$3,172,600							
Comprehensive Renovation of Royall Center*	\$1,990,400	\$853,025	\$2,843,425							
Selective Demolition			\$40,000	\$40,000	\$38,176	\$1,824	0.0%	0.0%	0.0%	0.0%
Renovation			\$2,557,917	\$2,646,557	\$2,197,168	\$449,389	2.4%	2.9%	0.0%	5.3%
Design, Contingency, Equip., etc.			\$245,508							
			\$2,843,425							
TOTAL VARIANCES						\$1,228,390				
TOTAL HUB DATA FOR INSTITUTION							1.2%	6.4%	0.0%	7.6%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding may be reduced.

SCHEDULE EXCEPTIONS:

Bryan Center Phase IIB Renovation delay due to delay in obtaining regulatory reviews of the construction drawings. A December 2003 completion date remains the desired target and may be feasible. Previously reported.

BUDGET EXCEPTIONS: None

BEST PRACTICES AND NOTABLE ACCOMPLISHMENTS: An evening open house was held to introduce the contracting community to upcoming opportunities and provide a networking vehicle between contractors and minority subcontractors.

North Carolina School of Science and Mathematics

Comprehensive Renovation of Bryan Center

Bond Funds \$3,172,600

Other Sources \$0

Total Project Budget \$3,172,600

Scope: Essentially unchanged since 1954, the Bryan Center will be modernized to meet current Physics instruction requirements and to improve student residence rooms and Student Life Development offices. The building will be renovated to comply with present building codes; mechanical, electrical, and plumbing systems will be replaced; and asbestos removed. Physics classrooms, laboratories, student living areas, and faculty offices will be upgraded. The project has been separated into phases IIA and IIB to reduce the total time needed to complete the project. Phase II A includes electrical, and HVAC upgrades to the Physics floor of the Bryan Center including classrooms, laboratories, and offices. Phase IIB includes the outside entrance area, 2nd – 4th floor residence halls for students, laboratory on 1st floor, Student Life and Development offices, and two chemical storage rooms.

Designer: Peterson Associates, Charlotte, NC

Phase IIA

Construction Type/Contractor(s): Multi-prime
General Contractor: Patriot Building Co., Hillsboro, NC
Electrical: Vaughan Electric Co., Raleigh, NC
Mechanical: Southern Piping Co., Raleigh, NC

Phase IIB

Construction Type/Contractor(s): Single-prime
General Contractor: MLB Industries, Raleigh, NC

Status and Next Major Milestone: Phase IIA construction completed October 2002. Phase IIB construction currently at 10%. Anticipate completion February 2004.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/9/00	10/16/02										
Construction	5/22/02	2/2/04										
Finish	2/2/04	2/2/04			☆	★ 2/2						

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$250,422	\$0	\$250,422	\$2,531,695	0.0%	9.9%	0.0%	9.9%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

North Carolina School of Science and Mathematics

Comprehensive Renovation of Royall Center

Bond Funds \$1,990,400
 Other Appropriations \$453,025
 Appropriation \$453,025

COMPLETED

Other Sources \$400,000
 Self-Liquidating \$400,000

Total Project Budget \$2,843,425

Scope: This 1917 building will be renovated to provide housing for residential program students, students and teachers participating in NCSSM's distance learning programs classroom, conference rooms and office space. Mechanical, electrical, and plumbing systems will be replaced and the building altered to meet current code requirements.

Designer: O'Brien Atkins Associates, Research Triangle Park

Construction Type/Contractor(s): Multi-prime

General Contractor: Bordeaux Construction Co., Durham, NC

Electrical: Vaughan Electric Co., Inc., Durham, NC

Plumbing: ACME Plumbing and Heating Co., Durham, NC

HVAC: Southern Piping Company, Inc., Raleigh, NC

Status and Next Major Milestone: Construction completed February 2003, within budget and 2 months behind baseline schedule.

Schedule:

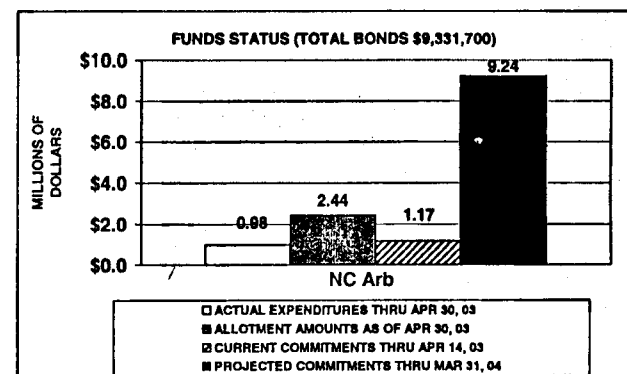
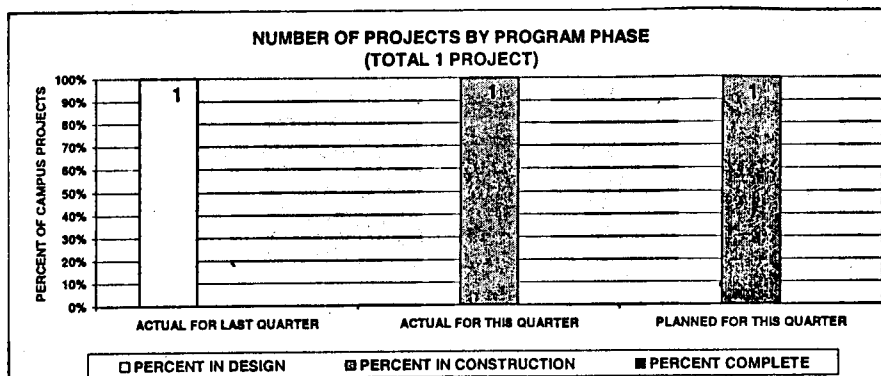
Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	11/9/00	12/3/01										
Construction	12/4/01	2/14/03										
Finish	2/14/03	2/14/03				★	2/14					

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$58,000	\$68,748	\$0	\$126,748	\$2,442,405	2.4%	2.8%	0.0%	5.2%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.

UNC Bond Program



PROJECTS BID TO DATE							HUB PARTICIPATION			
PROJECT NAME	BOND FUNDING	NON-BOND FUNDING	TOTAL PROJECT BUDGET (CONSTRUCTION BUDGET BY PHASE AND OTHER EARMARKED COSTS OF PHASED PROJECTS SHOWN TO LEFT OF COLUMN)	DESIGNER'S ESTIMATE	BID AMOUNT	DIFFERENCE (EST - BID)*	AFR. AM.	WBE%	OTHER%	TOTAL
Improvements to Facilities and Infrastructure to provide for Environmental Education and Economic Development Opportunities*	\$9,331,700		\$9,331,700							
Operations Support Facility		\$25,000	\$1,400,459	\$1,386,851		\$1,386,851				
Main Entrance Utilities			\$1,627,020	\$1,499,508		\$1,499,508				
Main Entrance Utilities - Phase 1			\$100,000	\$98,000	\$75,147	\$22,853	0.0%	0.0%	0.0%	0.0%
Gate			\$538,759	\$387,581		\$387,581				
School Bus Parking			\$563,891	\$668,864		\$668,864				
Entrance Gate and Gatehouses			\$3,162,528	\$0		\$0				
Greenhouse Exhibition Center			\$1,941,043	\$5,981,847		\$5,981,847				
Design, Contingency, Equipment, etc.			\$9,331,700							
TOTAL VARIANCES						\$9,947,504				
TOTAL HUB DATA FOR INSTITUTION							0.0%	0.0%	0.0%	0.0%

*Multiple phased projects will reflect differences upon bidding each phase, but savings will only be realized after all phases are bid and construction has progressed sufficiently to be confident of savings. In like manner, non-bond funding contributions may be reduced.

SCHEDULE EXCEPTIONS:

Gating and gatehouse is behind schedule because the Designer did not design within budget and required rework to drawings causing delays. Also, construction cannot begin until the USFS has approved the Environmental Impact Statement for these projects. All USFS approvals have been issued. Construction to start September 2003.

Greenhouse Exhibition Center is ahead of Baseline schedule because the Designer is progressing faster than planned.

School Bus Parking is behind Baseline schedule because the USFS Environmental Impact Statement delayed design.

BUDGET EXCEPTIONS: The arboretum requested and received a grant for a green roof on the Operations Support Facility in the sum of \$25,000

North Carolina Arboretum

Improvements to Facilities and Infrastructure

Bond Funds \$9,331,700

Other Sources \$0

Total Project Budget \$9,331,700

Scope: Improvements to the North Carolina Arboretum will include a greenhouse exhibition center, school bus parking lot, utility improvements, an operations support facility, and an entrance gate. Gating and gatehouses will be constructed at the Arboretum's two primary entrances.

Designer:

Operations Support Phase -

Boney and Associates

Other Phases -

William Lapsley, Hendersonville, NC

Greenhouse Exhibition Center

Woolpert LLP, Charlotte, NC

Construction Type/Contractor(s):

Status and Next Major Milestone: Main Entrance Utility CD design is currently at state agencies for review. Anticipate bidding construction package June 2003.

Schedule:

Task Name	Start	Finish	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Design	2/15/01	3/17/04										
Construction	7/17/03	4/28/05										
Finish	4/28/05	4/28/05						★ 4/28 ★				

HUB Participation:

\$ Afr.Am.	\$ WBE	\$ Other	\$ TOTAL HUB	\$ Project Total	% Afr.Am.	% WBE	% Other	% Total HUB
\$0	\$0	\$0	\$0	\$100,000	0%	0.0%	0.0%	0%

Schedule Legend: Vertical dotted line indicates current date. Top solid black line indicates current progress. Bottom solid black line indicates baseline schedule. Dark star indicates projected completion. Hollow star indicates baseline completion.